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AUGUST 1992

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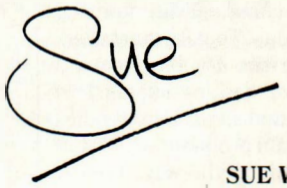
FROM THE EDITOR

Many of you will have noticed that we have been trying a few changes to our pattern format over the past few months. We'd like to thank all those who have written in with helpful comments and suggestions. Although we have tried not to change too much, we trust that the new pattern instructions will be more clear and easy to follow – especially for our new readers and those who are just starting out with their first knitting machine.

There are a number of design ideas for cool summer knits in this issue. Our choice of garment patterns includes plenty of clear white cottons in styles to suit a variety of occasions. For a hot contrast, knit a bright pink vest to make the most of summer sun, or cool down by the seaside with co-ordinating 'nautical' knitwear. Add crochet detail in the form of simple squares or experiment with some of the other ideas described in Part 2 of our new series. Take inspiration from a summer garden and use floral themes for Intarsia fun or knit a border or two from this month's Swatch Spot. Alternatively, let your ribber demonstrate the delights of Shadow Lace and discover a whole new range of fabrics which look good from both sides.

For the more adventurous Silver Reed electronic owners, this month's feature illustrates and describes the step by step secret to success for large picture knitting – it's not that difficult (says Erik)!

It's time to get out that garden chair and relax in the sunshine (with this issue of Modern Machine Knitting, *of course!) . . .*



SUE WATSON

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KNITLINE

'Jac-Card' Yarn Holder

A new yarn holder accessory, designed to fit all Japanese machines, is now available from JACPACS. This accessory is a small comb-shaped piece of flat plastic which slots into the end of the needle bed to hold up to four separate yarn ends. The idea of the **'Jac-Card'** developed as an economical knitting aid to encourage ribber owners to try out and learn the technique of Double Jacquard, without the initial outlay on a colour changer. It is not intended as a replacement for the colour changer, but for just £3.95, gives you the opportunity to use more than two yarns whilst you practice! The 'Jac-Card' is supplied with fitting instructions (very simple – you slightly depress the sponge needle bar, then push the long finger end of the Jac-Card into the space above it – a diagram is supplied), plus an easy to understand explanation of preparation for Double Jacquard knitting and full knitting instructions. To get you started, there are two Double Jacquard punchcard designs supplied in the pack and some helpful notes on the main problems which can crop up along the way. Yvonne Knapman of JACPACS specialises in designing jacquard patterns and she has also written **'A Beginner's Guide to Double Jacquard Knitting'**. If you would like one of the new 'Jac-Card' yarn holders and full details of available designs, please write to Yvonne at:

JACPACS
19 South Road
Portishead
Bristol BS20 9DU

Young Touch Cotton

A new 100% mercerised cotton from Narvik is **Young Touch DK** in a range of fashionable summer colours which include soft and subtle tones of yellow, pink, peach, coffee, white, mauve, sage green and a duck egg blue, plus two co-ordinating splash shades. This yarn is machine washable and available on 50 gram balls for £1.95 per ball. Narvik have produced a range of delightful children's and adults hand knitting patterns to cater for a variety of ages and tastes – inspiration for the designs is taken from the fifties with an up-to-the-minute look in classic styling – you'll find them at your local Narvik stockist.

Bookshelf

'Machine Knitting: The Technique of Lace' is the latest hard back by Kathleen Kinder. This comprehensive book should prove to be a valuable reference and source book to anyone who is interested in machine knitted lace fabrics. Kathleen starts with an introduction into the background of hand and frame knitted lace and goes on to illustrate the development of lace knitting on the Japanese domestic knitting machine.

If you have ever wanted to knit a lace garment but discovered that the illustrated pattern card is not for your machine it can be very frustrating. In this book, there is a chapter which explains the different cards in detail – how to identify them and how to punch the same pattern for another make and model of machine. Lace transfer symbols from hand transfer charts are also described and explained and there is a section covering suitable yarns, the basic lace techniques and hints on how to solve any knitting problems.

The book goes on to illustrate a variety of stitch designs and lace patterns including edgings, motifs, panels, lace combined with other stitches, punch lace and the use of surface decoration on lace fabrics. Suitable garment designs and shapes for lace fabrics can be found at the end of the book together with six different garment patterns and knitting instructions.

'The Technique of Lace' is published by Batsford and is now available from good book shops for £17.99 – the ISBN number is 0 7134 6423 2.

Courses

This is the time of year to start thinking about the various machine knitting courses which are available in your area, especially those which are due to commence in the late summer or early autumn. Here are a few details which we have received from a selection of colleges throughout the country:

EDINBURGH

The **Jewel & Esk Valley College** is again offering a variety of courses to cater for all levels of machine knitting. For the beginner, the proposed one-year course includes three **SCOTVEC** modules, each module requiring attendance over 13 weeks of one half day per week. The three modules cover an Introduction to Machine Knitting; Domestic Machine Knitting; Knitted Garment Production – Hand Finishing.

A three-year **NWRAC** Home Machine Knitting Course is also on offer for beginners as well as advanced knitters. Attendance for this course is one full day per week for two years for Part 1 and a further year for Part 2. This is a very comprehensive machine knitting course which qualifies successful students to teach machine knitting skills and covers Pattern Drafting and Design as well as Practical Knitting.

If you already have a basic knowledge of machine knitting and want to extend your skills on the ribber, there are two 10-week courses for ribber owners (attendance one half day per week) – a choice of either basic or advanced.

Learn how to draft and calculate a panelled or shadow pleated skirt on one of two courses on Skirt Production or study Intarsia knitting on a special Intarsia course which covers the different methods which can be used to knit picture garments on your own machine.

These are just some of the courses on offer and if you are disabled it will certainly be worth enquiring about the courses for physically and mentally handicapped students which are free to registered disabled people. Contact Mavis Branton for full details:

Jewel & Esk Valley College
Eskbank Centre
Newbattle Road
Dalkeith EH22 3AE
Tel: 031 663 1951 Ext 229

NEW COURSE, ABINGDON

A new **City & Guilds** Machine Knitting Course starts in September at the **Abingdon College of Further Education**, Northcourt Road, Abingdon, Oxon. It will be run on Monday evenings from 6.45 pm to 9.15 pm. Further details can be obtained from Course Tutor Christine Eccles. Her telephone number is 0235 523664.

CITY & GUILDS

The well established and highly successful **City & Guilds** Machine Knitting Course Part I will be offered again this autumn at **Greenhill College** in Harrow. If you are interested in getting on the course, it is important to know that places are not dependent upon local residency, so students who are willing to undertake a journey to and from college will be considered.

Students who have already completed Part I will be able to continue with Part II of the course this autumn – the syllabus is now published and contact should now be made with the college or Course Tutor. Part I will run on Wednesdays from

KNITLINE

9.30 am to 3.00 pm and Part II on Thursdays from 9.30 am to 12.30 pm. Further information is available from Course Leader Sybil Kenton who will be pleased to answer any questions from anyone wishing to extend their skills, either for professional development or personal fulfilment. You can telephone Sybil on 081-954 3817 or write to the ACE Office at the following address:

Greenhill College
Lowlands Road
Harrow
Middlesex HA1 3AQ
Tel: 081-422 2388

ESSEX & SUFFOLK

Machine Knitting Classes will run this autumn at the following centres:

Stourdale Centre, Manningtree Secondary School, Manningtree, Essex. Tel: 0206 392231.
A 10-week Ribber Class to be held on Monday evenings between 7.30 pm and 9.30 pm.

Copleston High School, Ipswich, Suffolk. Tel: 0473 255885 (ACE Dept).
A 10-week Ribber Class to be held on Tuesday evenings between 7 pm and 9 pm.

Suffolk College, Argyle Street, Ipswich, Suffolk. Tel: 0473 255885 (ACE Dept).
A 20-week Beginners' Class to be held on Wednesday evenings between 7 pm and 9 pm.

Thorpe High School, Thorpe le Soken, Clacton, Essex. Tel: 0255 861504.
A five-week Ribber Class to be held on Fridays from 10 am to 3 pm. The tutor Karen Fox can be contacted on 0473 328875 for further information.

BEGINNERS

Are you a **beginner** or thinking of buying your first knitting machine? If you live in the area and would like more information, pop along to Oakmeads Community School in **Burgess Hill**, Sussex, on the morning of 3 October. There will also be a 10-week evening course starting on either Monday 21 September or Thursday 24 September. For more details contact Oakmeads on 0444 23655 or the Tutor – Dawn Latter on 0273 464821.

STOP PRESS

Metropolitan

Trisha Whitfield will be at Metropolitan on 5 August to illustrate the versatility of **Fabric Paints** and how they can be used to enhance your garments in a variety of different ways. The cost of the day course (10 am to 4 pm) is £20 to include lunch and refreshments.

Joan Richards' Suit Course will run on three different weeks at Metropolitan – the dates are 9–14 August, 6–11 September and 13–18 September (all 9.30 am to 4.30 pm daily). Each one-week course costs £85 to include lunch and refreshments. Joan will take along a collection of her suit designs which includes a variety of styles to cater for all levels of knitting. Participants will choose one of the styles to knit under Joan's supervision.

A one-week course run by **Audrey Palmer** is scheduled for 31 August to 4 September (9.30 am to 4.30 pm daily) when knitters will have the opportunity to produce a garment based upon Audrey's **Shirtwaister Dress** in lighter weight fabrics. The cost is £80 for the week to include lunch and refreshments.

If you are interested in creating a professional personalised garment, a further course by Audrey will run during the week of 21–25 September, where she will demonstrate how to create heavier weight fabrics using her special **Knitweave Technique** – very suitable for a jacket to go with the dress. The cost of this course is also £80.

To book your place on any of the above courses or to find out more details, please contact:

Metropolitan School of
Machine Knitting
The Pinfold
Poole
Nr Nantwich
Cheshire CW5 6AL
Tel: 0270 628414

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Hague

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Dept MMK, Hague Linking Machines, Mile End Road, Colwick, Nottingham NG4 2DW. Tel: 0602 870031

MACHINE KNITTING EXPO '92

The second British-American Machine Knitting Exposition takes place this year in Atlanta, Georgia, on August 28-30, 1992. Sponsored by Bramwell USA and F W Bramwell & Co Ltd, this weekend promises to be one of the most exciting knitting events ever.

The venue is the Atlanta Hilton and Towers Hotel in the heart of downtown Atlanta, situated within easy reach of Hartsfield International Airport and served close by with the Metropolitan Atlanta Rapid Transit System (MARTA). All classes, activities and exhibits will be contained within the hotel and geared to provide the visitor with a wide range of knitting options for the three day stay.

Almost 300 classes have been arranged to cover everything from basic techniques to advanced designs and all brands of knitting machine are catered for. There will be a choice of 18 classes per individual, each class lasting for a full hour with 30 minutes between each one, to allow for discussion, questions and time to get to the next class. Tutors have been selected from the top names in the machine knitting world to share their expertise and knowledge – these include Susanna Lewis, John Allen, Susan Guagliumi, Susan Lazear, George le Warré, Kamalini Trentham and Dennis Cook.

The 'International Market' plays an important part in the whole event – here you will be able to view and buy all the latest knitting products offered by a wide variety of international exhibitors. Items include all kinds of knitting machines, accessories, yarns and publications and these will be on display throughout the weekend.

There will also be a chance to relax and enjoy two different Fashion Shows – these are scheduled for the Friday and Saturday evenings with a different selection of knitwear garments on each night. A choice of two fashion shows per evening will give everyone the opportunity to attend. All four shows will be compèred and produced by Charles Cornish of Keyto. The shows will certainly be entertaining and inspirational, featuring a superb and highly professional display of garment designs to highlight the versatility of today's knitting machines and accessories.

ATLANTA – CAPITAL CITY OF GEORGIA

Those who have not visited before will discover that as Capital City of Georgia, Atlanta offers a wide range of tourist attractions, allowing you to enjoy the grandeur of the past alongside modern innovations of the twentieth century. Two major attractions are just minutes from the Hilton and Towers Hotel. 'Underground Atlanta', is a 12 acre retail and entertainment complex where visitors can take advantage of over 130 shops, restaurants and nightclubs. The complex dates back to the early 1800's when Atlanta was a small town at the end of a railroad line. As railroads grew in importance, so did Atlanta and the heart of the city became a busy and lively centre where all the railroads converged. Streets were built over the tracks and today, many authentic storefronts and historic buildings above and below these streets have been restored and the whole area replanned and designed as a focal point of the city.

The other main attraction is the 'world of Coca-Cola', where visitors can learn the history of this world famous soft drink which was introduced more than 100 years ago. The tour begins under a large three-dimensional Coca-Cola globe suspended 18 feet above the ground. Visitors are then taken around a three storey atrium of exhibits which include memorabilia, classic radio and television advertisements, a fanciful representation of the bottling process and a futuristic soda fountain!

A visit to Atlanta and the 1992 Expo can combine a sightseeing trip with one of the big machine knitting events of the year. If you intend to take the trip you will need a few more details.

The organisers are Britam Promotions, PO Box 8244, Midland, TX 79708. (915) 699 4037.

UK visitors can take advantage of a special package which includes the flight, insurance, transport to and from the airport, seven nights in the hotel and tuition. For full details please contact F W Bramwell & Co Ltd, Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU. Tel: 0282 779811. Fax: 0282 779860. Telex: 635165 CHACOM G106.

OTHER INFORMATION

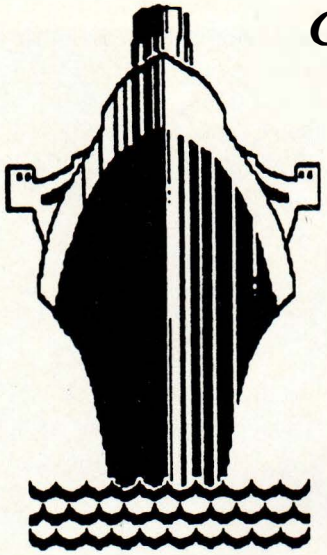
Venue: The Atlanta Hilton and Towers, 255 Courtland Street, NE, Atlanta, Georgia 30303.

Hilton Reservation Desk: (404) 659 2000 or Hilton's National Reservation number: 1-800-HILTONS. Please specify The Second British-American Knitting Exposition to secure special rates.

Official Airline: Delta Airlines – 1 800 241 6760.

Please specify file #DO745 for discounted rates.

Atlanta Convention and Visitors Bureau, 233 Peachtree Street, Suite 2000, Atlanta, Georgia 30303. (404) 521 6600.



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Paula Behrens	Lynn Higgins	Viv Pain
Diane Bennett	Marjorie Ivy	Donna Paradis
Sue Bloom	Sandy Jackson	Janet Purvis
Terri Burns	Merri-beth Jelsema	Hazel Ratcliffe
Janell Casey	Sylvia Jones	Jody Raymond
Carol Chambers	Nancy Keenan	Frances Schlusher
Pat Christy	Barb Keller	Joyce Schneider
Loretta Conley	Arnetta Kenney	Linda Schuster
Dennis Cook	Irene Krieger	Leslye Soloman
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Sandy Ewing	Susanna Lewis	Jan Wold
Peter Free	Barb Main	Lynn Wohlsen

NO EXTRA COSTS ! ! $90.00 Includes All Classes & Fashion Show
($100.00 after April 1, 1992)

Bramwell Yarns, USA & F. W. Bramwell Co., Great Britain, Present:

The 2nd British American International Machine Knitting Expo
August 28-30, 1992 in Atlanta, GA

EXPO REGISTRATION

Please return with fee of $90 ($100 after April 1, 1992), Check or Money Order payable to: Britam Promotions, P. O. Box 8244, Midland, TX 79708. Upon receipt of form and payment confirmation will be sent to you.

Name: _____

Address: _____

Phone: _____

Amount Enclosed: $_____ **Dealer:** _____ **OR** **Home Knitter:** _____

Advanced Knitter: _____ **Beginning Knitter:** _____ **Machine Preference:** _____

Pattern 1

DEEP RIBBED FLOWER TOP

For the slim waisted look add a deep rib to a summer sweater. This design has short sleeves and a wide scoop neckline which can also be worn in an off the shoulder style.

For standard gauge punchcard or electronic machines with a ribber.

SIZES:
To fit 82 (87, 92) cm, 32 (34, 36) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Tivoli Top Value 4-ply.
MC (White) – 1 × 500 grm cone.
C (Navy) – 1 × 500 grm cone.

TENSION:
Stocking Stitch – 30 sts and 37 rows to 10 cm. TD at approx 7 (MT).
1 × 1 Rib – 44 rows to 10 cm. TD at approx MT-2/MT-2.

ABBREVIATIONS:
See page 38.

PATTERN NOTE:
Fair Isle – see chart.

If you have any problems locating Tivoli Top Value 4 ply, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

Tivoli Spinners Ltd
Unit 3
New Street Industrial Estate
Bridgetown
Cannock
Staffs WS11 3DD

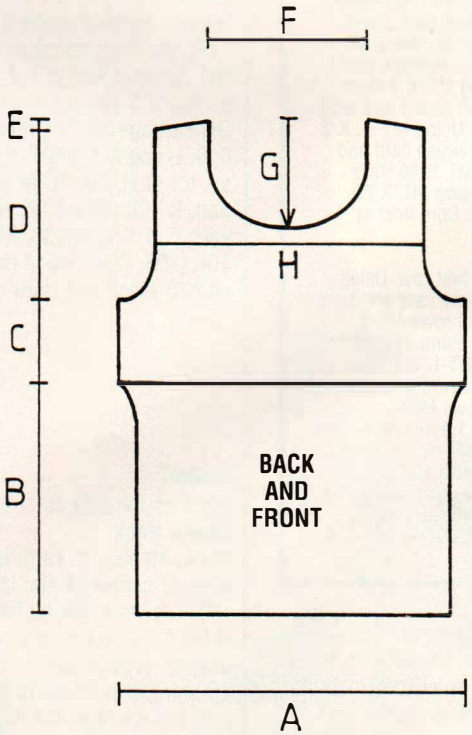
BACK AND FRONT ALIKE
With ribber in position and carriage at left, set machine for 1×1 rib. Push 67 (71, 75) Ns at left and 68 (72, 76) Ns at right of centre 0 to WP. 135 (143, 151) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–2/MT–2, K 132 rows. Transfer sts for st st. Insert card and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 39 rows. RC shows 40.

Shape Armholes
Cast off 4 sts at beg of next 2 rows. Dec 1 st at each end of every row until 115 (123, 131) sts rem, then on every foll alt row until 105 (111, 117) sts rem. K 13 (15, 17) rows. RC shows 71 (75, 79).

Shape Neck
Note patt row on card. Using nylon cord, K 70 (73, 76) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at beg of next and every foll alt row until 21 (24, 27) sts rem. K 22 rows.

Shape Shoulder
Cast off 11 (12, 14) sts at beg of next row, K 1 row. Cast off rem 10 (12, 13) sts. With carriage at right, unravel nylon cord over 35 Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 42 (45, 48) Ns at left and 43 (46, 49) Ns at right of centre 0 to WP. 85 (91, 97) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–2/MT–2, K 11 rows. Transfer sts for st st. Insert card and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 3 rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 99 (105, 111) sts. K 2 rows. RC shows 31.



JAGGED STRIPE SWEATER

Classic styling in seasonal navy and white shows off this unusual Fair Isle design – ideal for matching up with plain separates and all your summer whites.

For standard gauge punchcard or electronic machines with a ribber.

SIZES:
To fit 82-87 (92-97, 102-107) cm, 32-34 (36-38, 40-42) inch bust.

APPROXIMATE YARN TYPES ANO AMOUNTS:
King Cole Cool Cotton.
MC (Navy) – 1 × 500 grm cone.
C (White) – 1 × 500 grm cone.

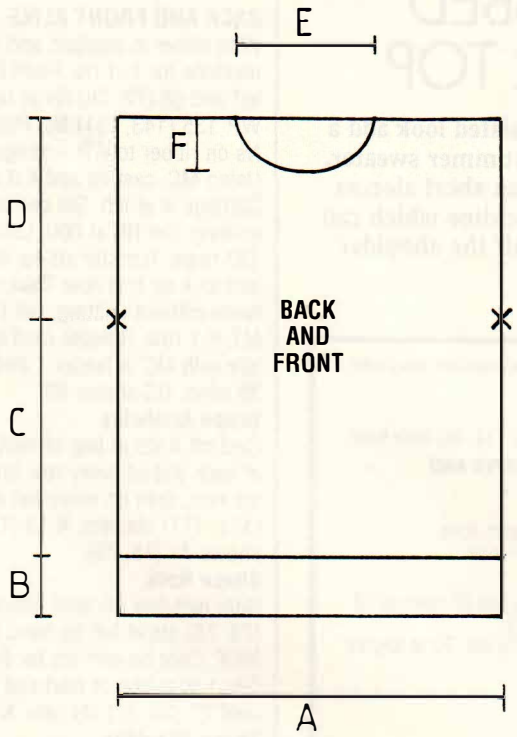
TENSION:
Fair Isle Pattern – 30 sts and 34 rows to 10 cm. TD at approx 8 (MT) and 7 (MT-1).

ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Knit two colour Fair Isle rows with first colour given in back feeder 1 to knit background and second colour given in front feeder 2 to knit contrast pattern.
Fair Isle – see charts 1 and 2.
Electronic Machines
Place needle 1 cam at centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK 840 machines, right light on for other models).
Fair Isle Pattern
Back and Front
Insert card 1 and lock on first row. Using MT–1, K 2 rows MC. Release card and cont in Fair Isle. Using MT, K 50 (50, 60) rows MC/C. * Remove card. Insert card 2 and lock on first row. Cont in st st. Using MT–1, K 2 rows MC and 2 rows C. Release card and cont in Fair Isle. Using MT, K 8 rows MC/C. Remove card. Insert card 1 and lock on first row. Cont in st st. Using MT–1, K 2 rows C and 2 rows MC. Release card and cont in Fair Isle *. Using MT, K 40 rows C/MC. Rep from * to *. Using MT, K 70 rows MC/C. Remove card. Cont in st st. Using MT–1, K 2 rows C.
Sleeves
Insert card 1 and lock on first row. Using MT–1, K 2 rows MC. Release card and cont in Fair Isle. Using MT, K 50 rows MC/C. * Remove card. Insert card 2 and lock on first row. Cont in st st. Using MT-1, K 2 rows MC and 2 rows C. Release card and cont in Fair Isle. Using MT, K 8 rows MC/C. Remove card. Insert card 1 and lock on first row. Cont in st st. Using MT–1, K 2 rows C and 2 rows MC. Release card and cont in Fair Isle *. Using MT, K 30 rows C/MC. Rep from * to *. using MT, K 40 rows MC/C. Remove card. Cont in st st. Using MT–1, K 2 rows C.

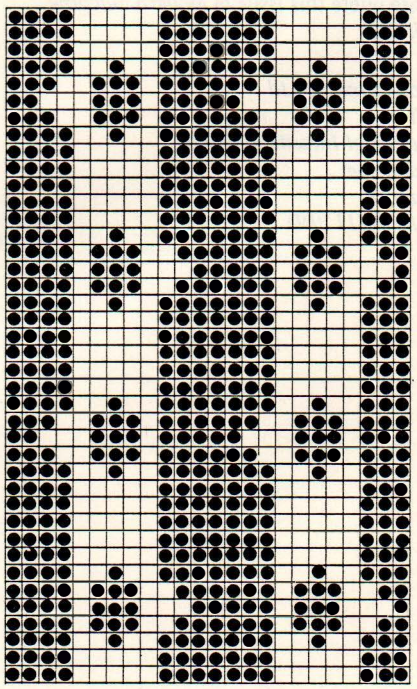
If you have any problems locating King Cole Cool Cotton, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

King Cole Ltd
Merrie Mills
Old Souls Way
Bingley
West Yorkshire BD16 2AX

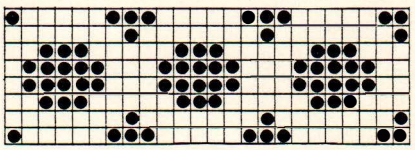


BACK
With ribber in position and carriage at left, set machine for 1×1 rib. Push 75 (82, 89) Ns at left and right of centre 0 to WP. 150 (164, 178) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 33 rows. Transfer sts for st st. Set RC at 000. Cont in Fair Isle patt. K 108 (108, 112) rows. Place marker at each end *. K 88 (88, 94) rows. RC shows 196 (196, 206). Place marker between sts 27 and 28 at left and right of centre 0. Cast off.

FRONT
Work as for back to *. K 66 (66, 72) rows.
Shape Neck
Note patt row on card. Using a length of MC, cast off centre 24 sts. Using nylon cord, K 63 (70, 77) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every row until 51 (58, 65) sts rem, then on every foll alt row until 48 (55, 62) sts rem. K 4 rows. Cast off. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.



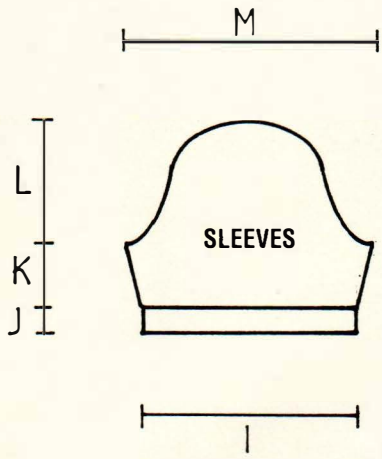
PUNCHCARD CHART 1



PUNCHCARD CHART 2

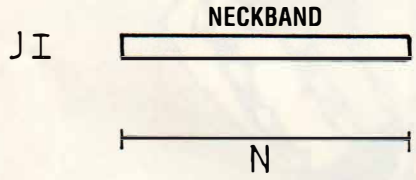
Pattern 1

◀ 9



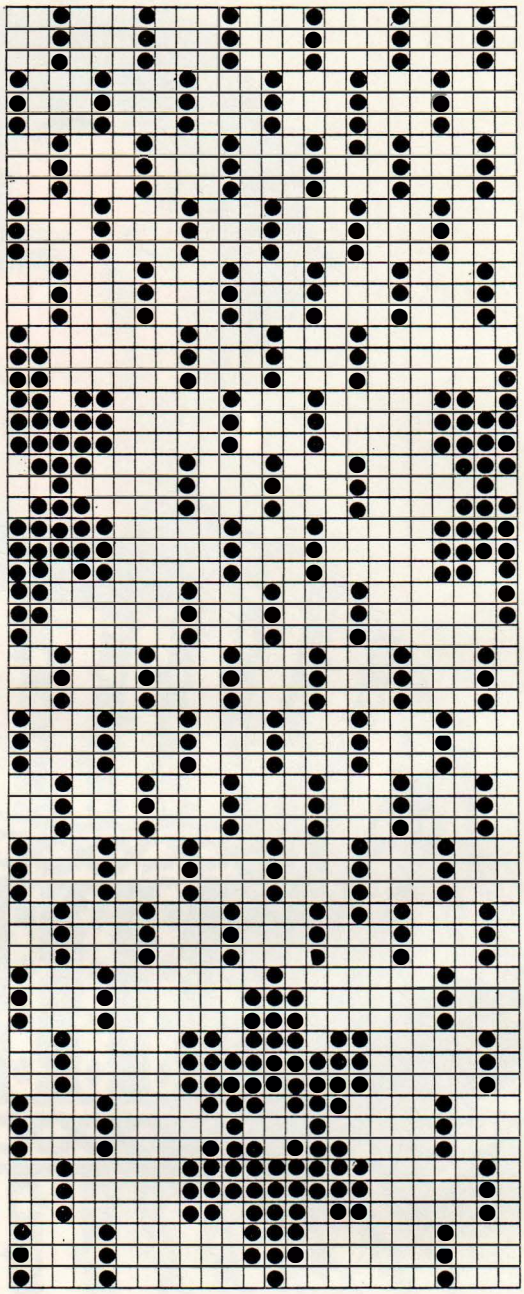
Shape Top
Cast off 4 sts at beg of next 2 rows. Dec 1 st at each end of every foll alt row until 41 (45, 49) sts rem, then on every row until 25 sts rem. Cast off.

NECKBAND (KNIT 2)
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 113 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–2/MT–2, K 11 rows. Transfer sts for st st. Using MT, K 1 row. With P side facing, pick up sts around neck edge and place on to Ns. K 1 row. Cast off.



PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Join shoulder, neckband, side and sleeve seams. Set in sleeves.



PUNCHCARD CHART

A	= 45 (47.5, 50) cm	H	= 35 (37, 39) cm
B	= 30 cm	I	= 28 (30, 32) cm
C	= 10.5 cm	J	= 2.5 cm
D	= 22 (23, 24) cm	K	= 8.5 cm
E	= 0.5 cm	L	= 16 (17, 18) cm
F	= 21 cm	M	= 33 (35, 37) cm
G	= 14 cm	N	= 37.5 cm

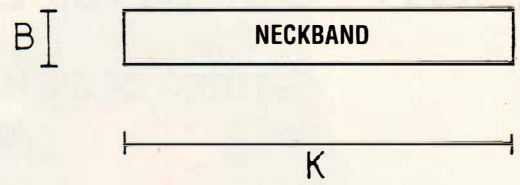
◀ 10

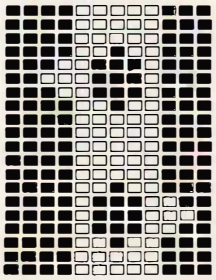
SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 35 (35, 38) Ns at left and right of centre 0 to WP. 70 (70, 76) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 29 rows. Transfer sts for st st. Set RC at 000. Cont in Fair Isle patt. Shape sides by inc 1 st at each end of next and every foll alt row until there are 90 (90, 96) sts, then on every foll 4th row until there are 110 (110, 116) sts, then on every foll 6th row until there are 142 (142, 148) sts. K 1 row. RC shows 156. Place marker at centre 0. Cast off.

NECKBAND
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 154 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–4/MT–4, K 28 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

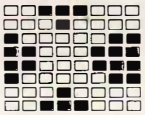
PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Join shoulder seams. Set in sleeves between markers, stretching slightly. Join side and sleeve seams. Join neckband seam. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Fold in half and catch down on inside.



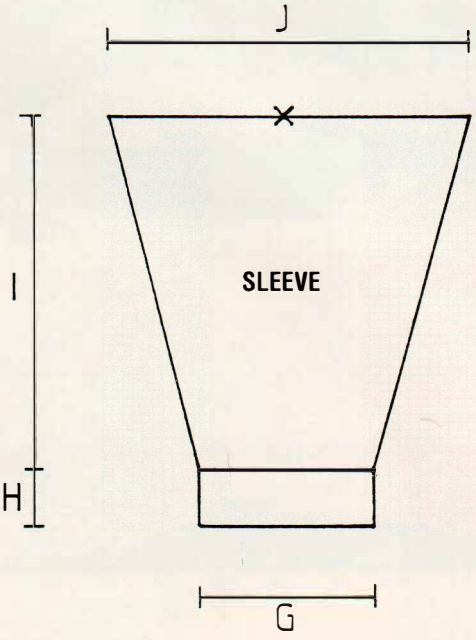


ELECTRONIC CHART 1



ELECTRONIC CHART 2

A	=	50 (54.5, 59) cm
B	=	7 cm
C	=	31.5 (31.5, 33) cm
D	=	26 (26, 27.5) cm
E	=	18 cm
F	=	6 cm
G	=	23 (23, 25) cm
H	=	6.5 cm
I	=	45.5 cm
J	=	47 (47, 49) cm
K	=	51 cm



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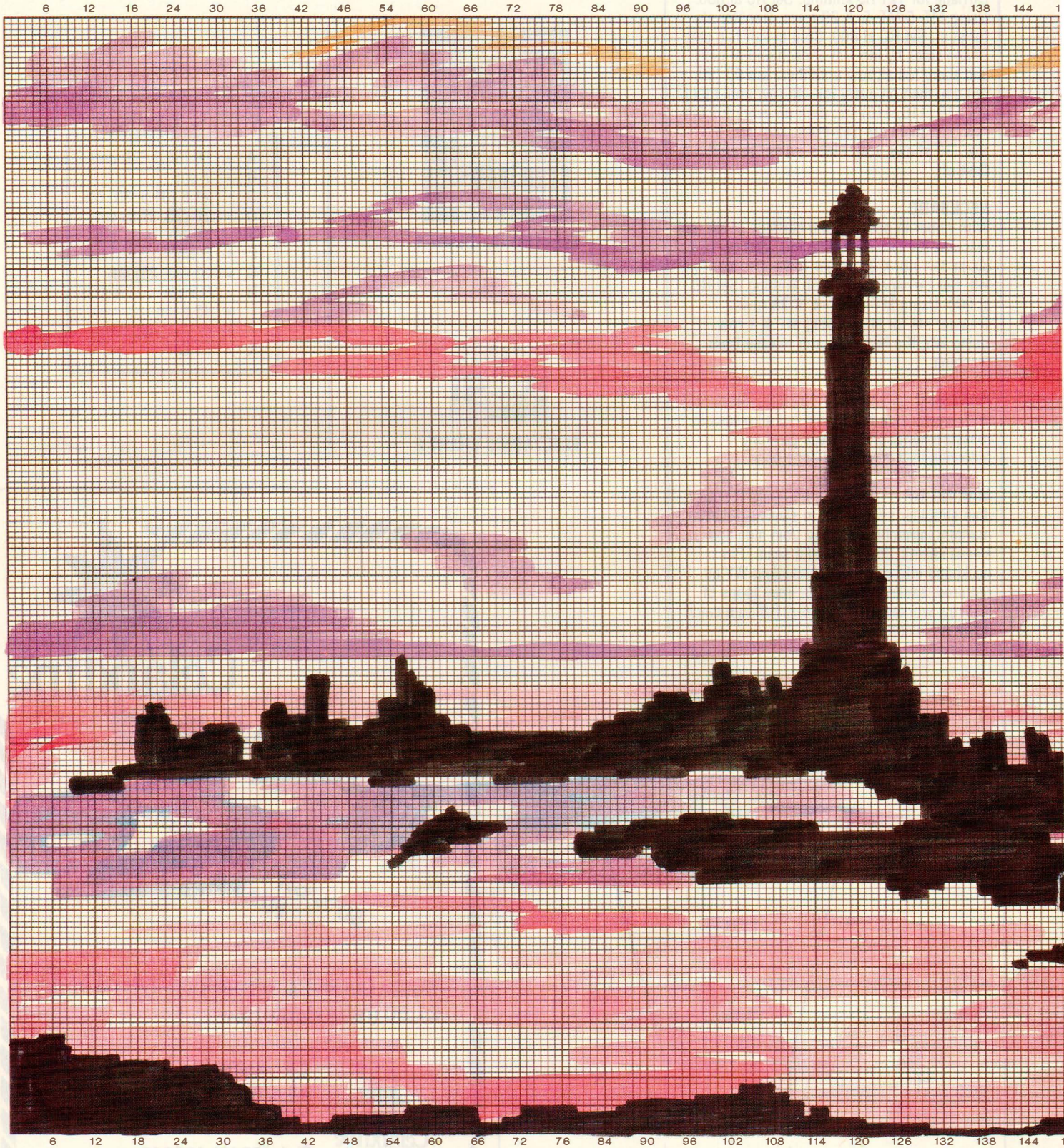
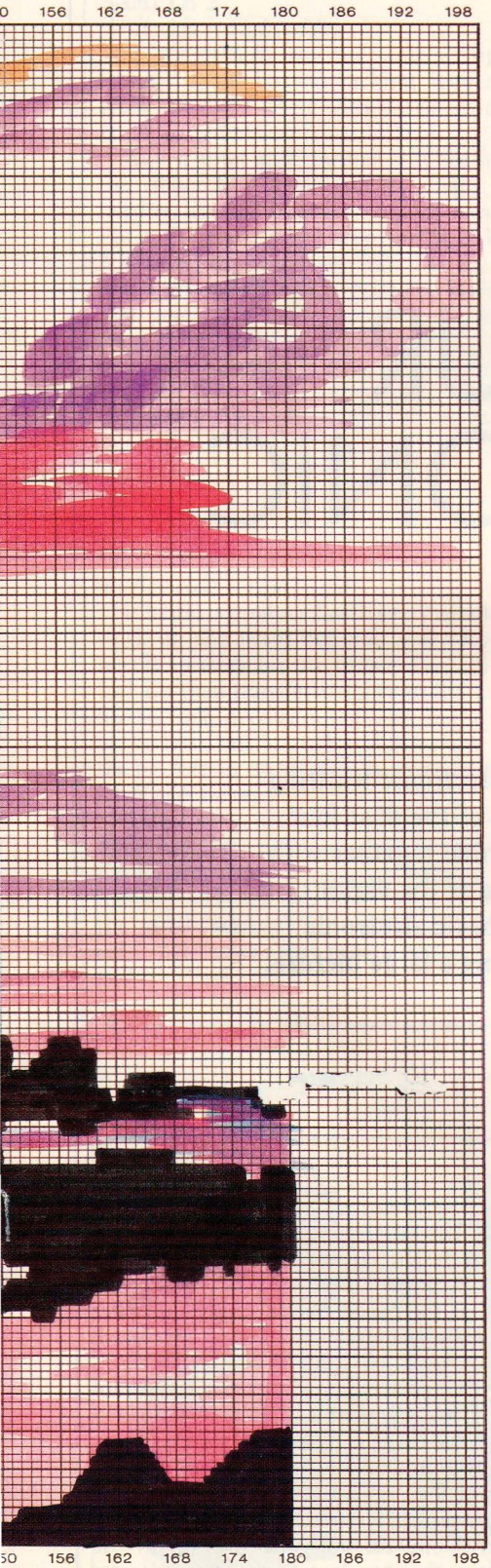
KNOW YOUR SILVER ELECTRONIC—Part 4

STUDIO DESIGN PAD SHEET

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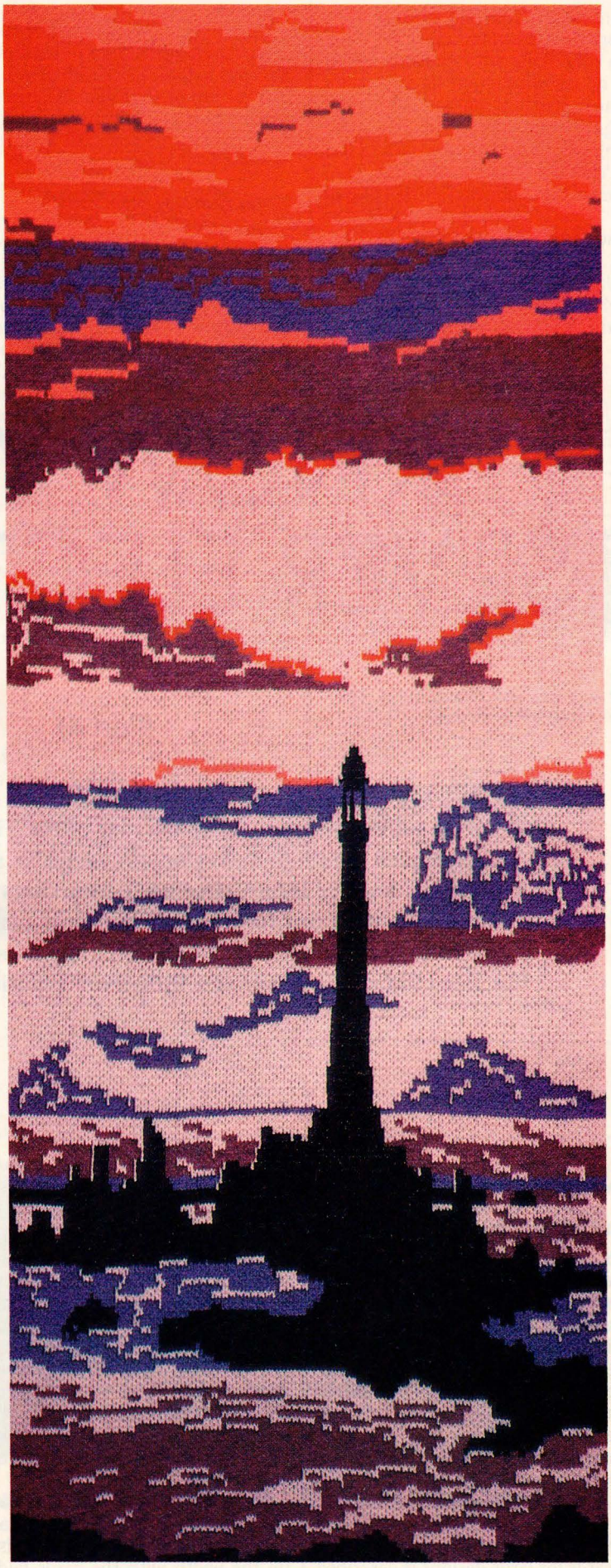

KNOW YOUR SILVER ELECTRONIC

(Part 4)

By **E**rik **W**eitz

Build up your confidence and knowledge of the Silver Reed Electronic Knitting System each month by following our exclusive series. Each of the first four articles has built up information on the workings of the machine together with some important tips for understanding and making full use of the various patterning facilities. This month Erik moves on from the basic electronic functions to tackle something a little more ambitious – creating a large picture!

Picture knitting in two, three or four colours is not something that everyone attempts at an early stage during their machine knitting years, but there really is no reason why they shouldn't. It is nowhere near as complicated as you might think – in fact, no more difficult than knitting a garment in any other all-over jacquard design. The problem would appear to be that many knitters at first are unaware that the Silver electronic PE1 and EC1 together are capable of making really enormous designs, not only in one or two colours, but using three or four colours in a row.

The method of programming and entering the cards for large designs is described very well in the PE 1 manual, as is the method for a design which is larger than one pattern card. The problem is that the way it is described can be a little forbidding to relatively new knitters. For example, the instruction 'Draw 19 cards' is almost enough to put you off – rather like Mrs Beeton's cookery book with 'take two dozen eggs' or 'first catch your chicken'! Large designs in multi-colours need not be complicated to either draw, enter or knit, provided that you first do a little preparation and thinking.

If our design is to be wider than the 60 stitch width of the electronic card then, obviously, we will need more cards to make up the width with the cards laid side by side. The same thing applies to the height of the design. We can add four cards side by side, making a total width of 240 squares but, as the needle bed is only 200 needles wide, the last 40 squares of the last card will not be used. We can also use several cards for the length, or height – the important thing to remember is that the way the PE 1 uses the cards is by laying them over one another and superimposing each card on top of the previous ones. This will create the complete picture. Each of the cards will correspond to one yarn position in the colour changer. In a three colour design, yarn 1, 2 or 3. You can also change the colours in these colour changer positions, adding more colour to the design, without

18 ▶

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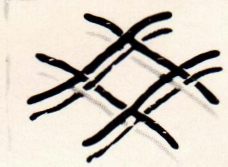

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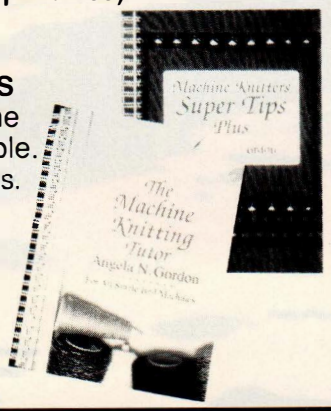


TRADE ENQUIRIES WELCOME

◀ 16

actually adding extra cards, but more of this later.

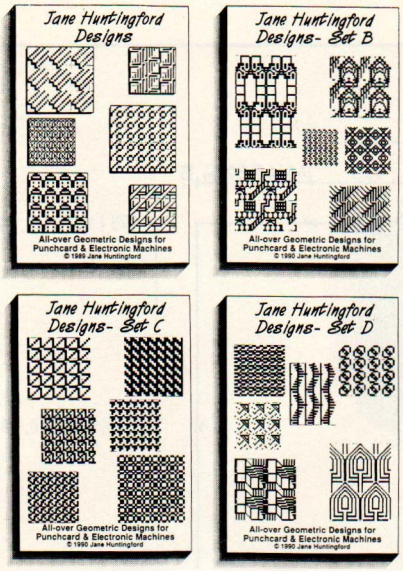
One of the biggest headaches that many knitters have with large designs is the problem of drawing out the design on to three separate sheets to form the whole. Then, when using three cards side by side, it can be difficult to get an overall view of what the design will be like when finished. The difficulties are further increased when you still have to add the cards for other colours. Luckily, Studio Knitting Machines of Cleveland, Ohio, USA, have the solution, not only to this problem, but to making the design from step one, through to completion. This is a pad of gridded sheets, each consisting of 200 rectangles in width by 200 rectangles in height. The grid is proportional, just like the card, so making the complete design in full colour now becomes easy. (See Editor's note).

First, draw or copy the design on to the pad sheet, then fill in the colours you want to use. Make sure that for a three colour design there are never more than four colours in any one horizontal row. Of course, you can change these colours, adding more as required, as long as you obey the above rule. Once the design is complete on the pad sheet, or sheets, it is relatively simple to place the design sheet over the pad sheet and copy that area on to the card for one colour. Remember that for a three colour design, you will only be copying the areas for colours 2 and 3. For four colour designs, only colours 2, 3 and 4 go on to the cards. The background colour is always entered as a blank card. You will still, of course, need several cards, but with all the design in one piece on the pad sheet, you will find it less confusing to find your place when you come to draw them out.

Have a look at the illustrated painting and then see how I have translated the picture on to the pad sheet in the various colours I want to use for the knitted sample. This all takes a little time to do but is well worth the effort. Next time, in Part 6, we will go through the procedure for marking out the individual cards ready for knitting the picture.

Editor's note: Erik's frequent travels to the USA have enabled him to obtain the special Studio Design Pad which he has used to illustrate this article. Unfortunately, we are given to understand that the Design Pad is not available in the UK at the present time, but we are in the process of making further enquiries. However, this need not stop you from designing your own large picture to knit and we suggest that you could either use the blank design sheets supplied with the mylar sheets (taped together to make the required width and height) or an accessory like the Machine Knitter's Design Board which can be wiped clean afterwards.

Geometric designs for 24 stitch punchcard and electronic machines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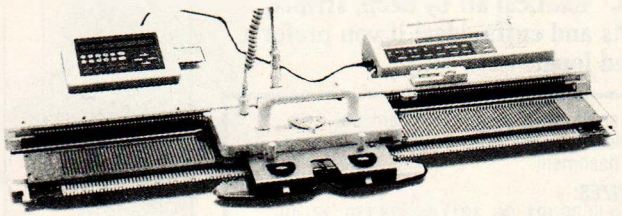

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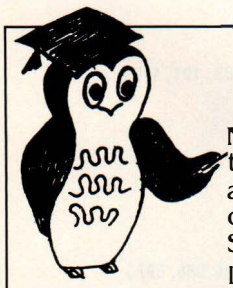

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This two colour, patterned sweater has been given a nautical air by deep, striped welts and cuffs, ideal if you prefer a fitted look.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86 (91, 96, 101) cm, 34 (36, 38, 40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Spectrum Vermont 4-ply Perlé.
Col 1 (White) – 250 (300, 350, 400) grms.
Col 2 (Navy) – 150 (175, 200, 225) grms.

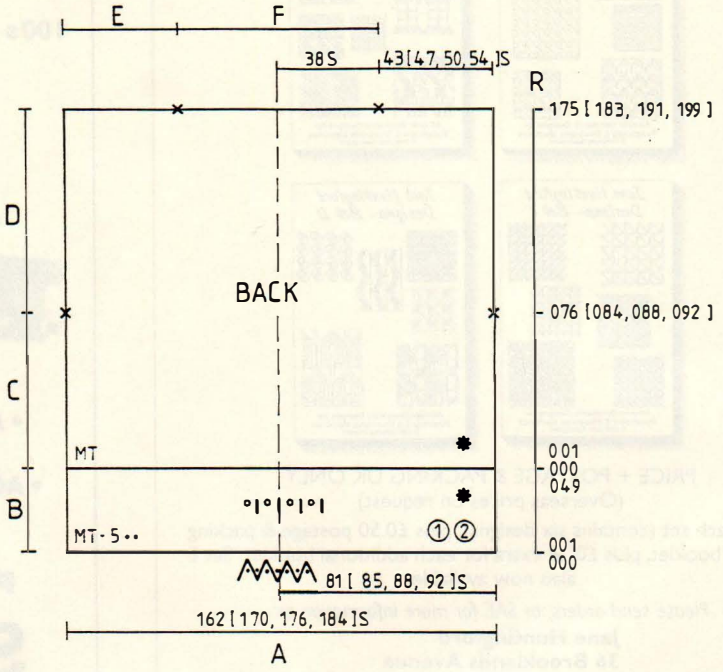
TENSION:
Fair Isle – 29 sts and 38 rows to 10 cm.
TD at approx 9·· (MT).

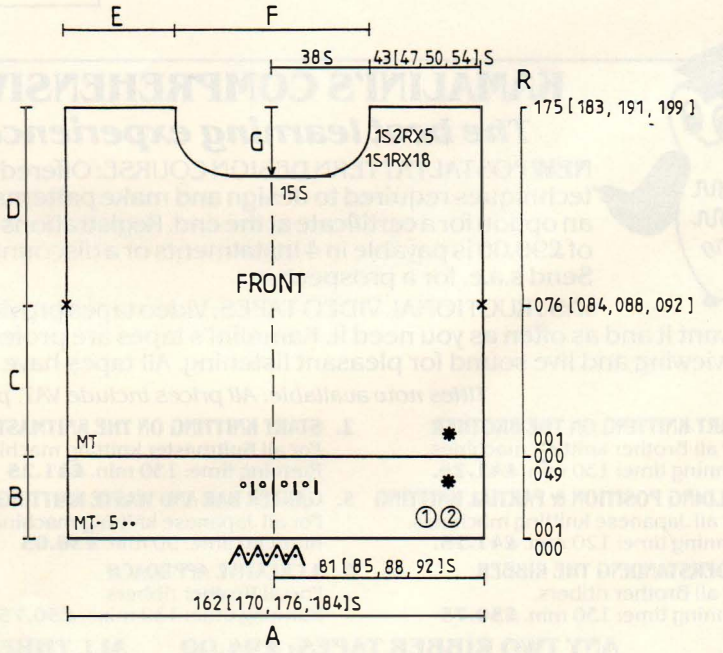
ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Fair Isle – see chart.
Col 1 in feeder 1, col 2 in feeder 2.
Stripe Pattern
K 2 rows col 2, 4 rows col 1.

If you have any problems locating Spectrum Vermont 4 ply Perlé, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

Spectrum Yarns
Spa Mills
New Street
Slaithwaite
Huddersfield
West Yorkshire HD7 5BB





BACK
With ribber in position and carriage at left, set machine for 1×1 rib. Push 81 (85, 88, 92) Ns at left and right of centre 0 to WP. 162 (170, 176, 184) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5··, K 1 row. Cont in stripe patt, K 48 rows. Transfer sts to knitter. Set RC at 000. Using MT and col 1, K 1 row. Cont in Fair Isle patt. K to row 76 (84, 88, 92). Place marker at each end. K to row 175 (183, 191, 199). Mark between sts 38 and 39 at left and right of centre 0 with WY. Cast off.

FRONT
K as for back to row 140 (148, 156, 164).
Shape Neck
Note position in patt. Shape as shown on diagram to row 175 (183, 191, 199). Cast off rem 43 (47, 50, 54) sts. Keeping patt correct, K left part as for right part.

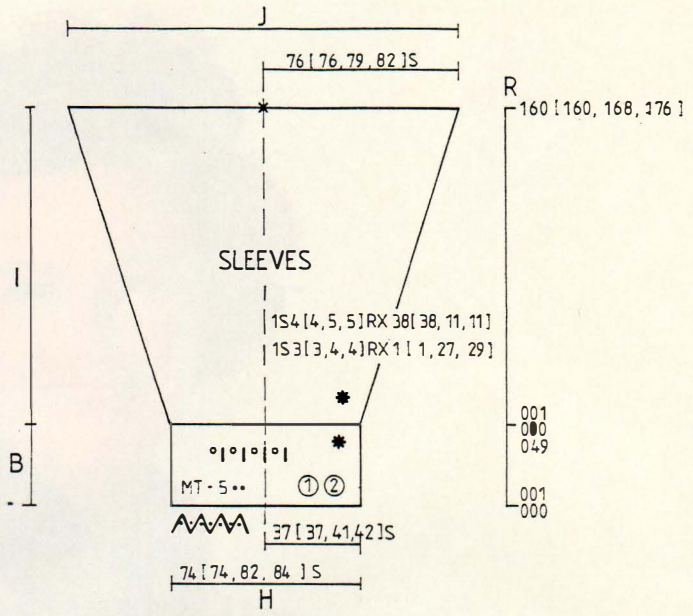
Pattern 3

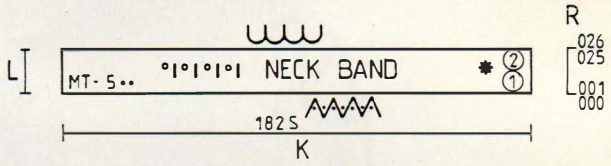
◀ 20

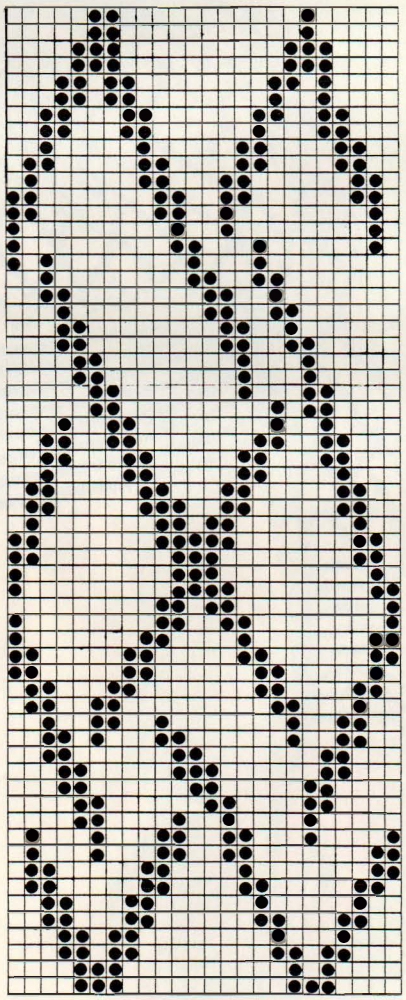
SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 37 (37, 41, 42) Ns at left and right of centre 0 to WP. 74 (74, 82, 84) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5··, K 1 row. Cont in stripe patt, K 48 rows. Transfer sts to knitter. Set RC at 000. Using MT and col 1, K 1 row. Cont in Fair Isle patt and shape as shown on diagram. 152 (152, 158, 164) sts. K to row 160 (160, 168, 176). Place marker at centre 0. Cast off.

NECKBAND
With ribber in position and carriage at left, set machine for 1×1 rib. Using col 1, cast on 182 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5··, K 1 row, Cont in stripe patt, K 24 rows. Transfer sts to knitter. Using MT–1·· and col 1, K 1 row. Using WY, K a few rows and release from machine.

TO MAKE UP
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Backstitch neckband into position and join centre back seam. Fold in half and catch down on the inside. Give final light steam.







PUNCHCARD CHART

A	=	55.5 (58.5, 60.5, 63) cm
B	=	10.5 cm
C	=	20 (22, 23, 24) cm
D	=	26 (26, 27, 28) cm
E	=	14.75 (16.25, 17.25, 18.5) cm
F	=	26 cm
G	=	9 cm
H	=	25.5 (25.5, 28, 28.5) cm
I	=	42 (42, 44, 46) cm
J	=	52 (52, 54, 56) cm
K	=	62.5 cm
L	=	5.5 cm

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THE SWATCH SPOT

By Angie
Knitwear By Design

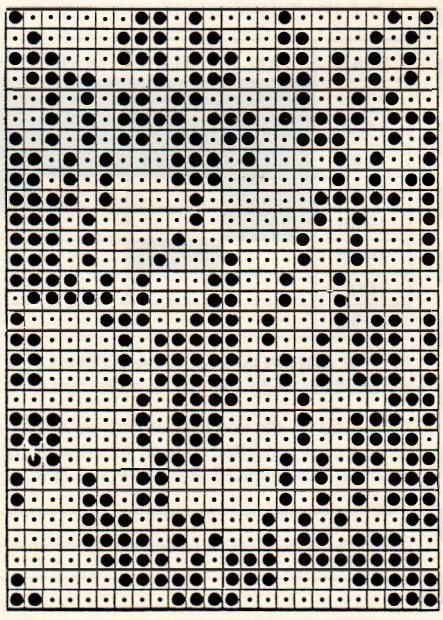
I find the brilliant colours of summer most welcoming. Country lanes become a delight to walk along as hedgerows and meadows bloom with a profusion of wild flowers. The garden comes into its own, producing a wonderful mixture of shapes and colours for the eye to behold. Each flower complements the other. The air is filled with the scent of summer. This month, I have taken a little bit of summer and designed three borders using floral motifs – all worked in relation to a triangle theme. The punchcard provides the basic design, but to create the right effect I have worked the flower heads in Swiss darning. I have also used a diagonal embroidery stitch on swatches one and three to pick out the triangular form. The borders do take longer to produce than ordinary Fair Isle, but Swiss darning is very relaxing to do and the end result will be well worth the extra time.

FABRIC INSTRUCTIONS
Yarns Used:
Brockwell Yarns Mercerised Cotton 3 Ply.
Col 1 – Natural (601)
Col 2 – Green (649) with multi-coloured Lurex
Col 3 – Green with Green Lurex
Col 4 – Purple (657)
Col 5 – Red (640)
Col 6 – Pink (631)

Swiss Darning:
I have used oddments of 2 ply cotton for most of the Swiss darning to create a tapestry effect – this allows the colour of the knitted stitches underneath to show through. In some places I have used 3 ply cotton to give a solid block of colour. The diagonal stitching on Swatches 1 and 3 has been worked in 3 ply cotton. Use whichever thickness you wish. The Charts are colour coded, the tulip on Chart 2 has been marked in Pink – in the swatch I have used different colours for each tulip, one Pink, one Purple and one Red.

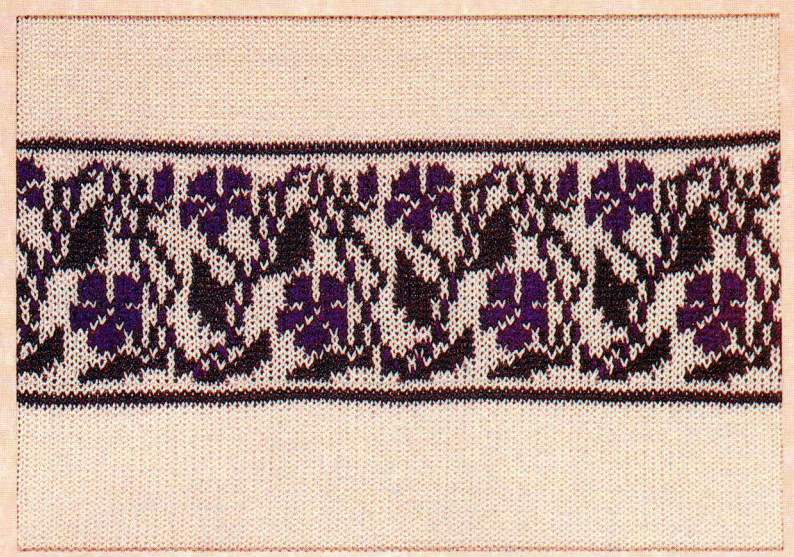
SWATCH 1
(For Standard Gauge Punchcard and Electronic Machines)
Push 50 Ns at left and right of centre 0 to WP (100 Ns). Insert card 1 and lock on row 1. Using Col 1, cast on and knit 40 rows stockinet.
With Col 2 in feeder 1 only, knit 2 rows.
With Col 1 in feeder 1 only, knit 2 rows.
Release card and set carriage for Fair Isle.
With Col 1 in feeder 1 and Col 2 in feeder 2, knit 30 rows.
Remove card and set carriage for stockinet.
With Col 1 in feeder 1 only, knit 2 rows.
With Col 2 in feeder 1 only, knit 2 rows.
With Col 1 in feeder 1 only, knit 40 rows.
Cast off.
Using Chart 1, Swiss darn flower heads. Sew in all ends. Give swatch a light steam.

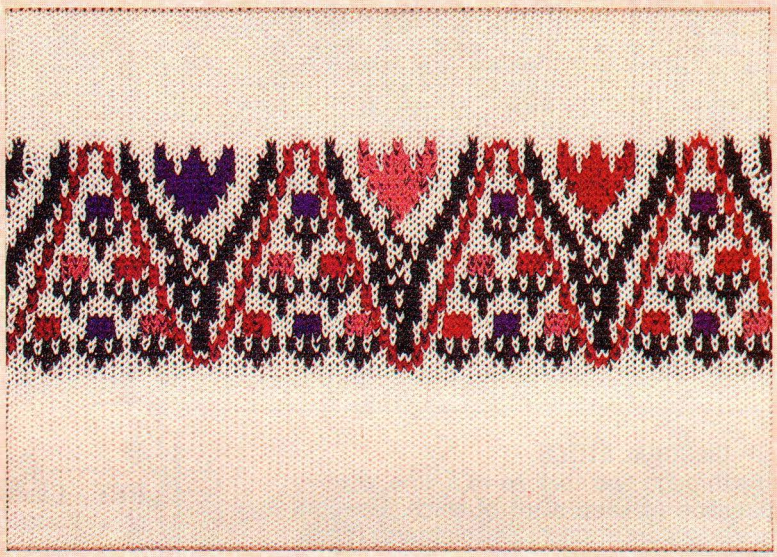
SWATCH 2
(For Standard Gauge Punchcard and Electronic Machines)
Push 50 Ns at left and right of centre 0 to WP (100 Ns). Insert card 2 and lock on row

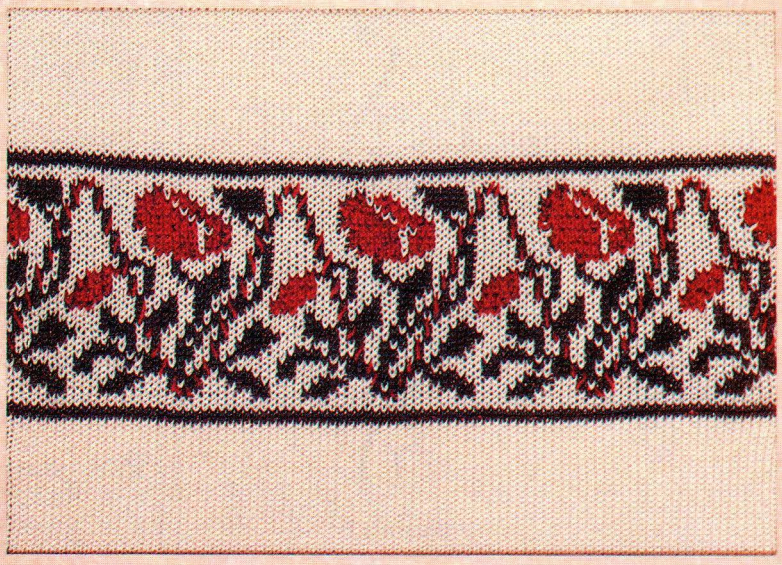


CARD 1
Repeat = 24 sts & 30 rows.

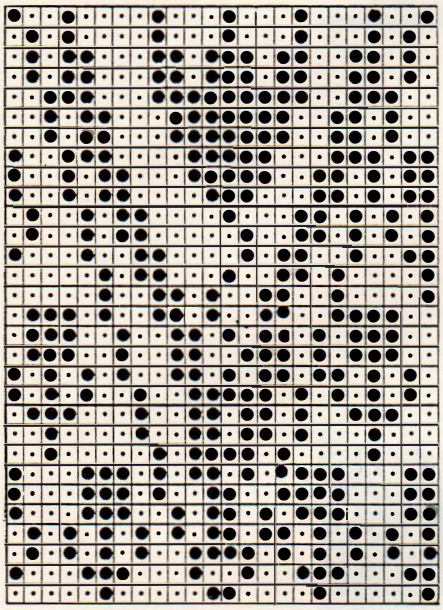
26 ▶





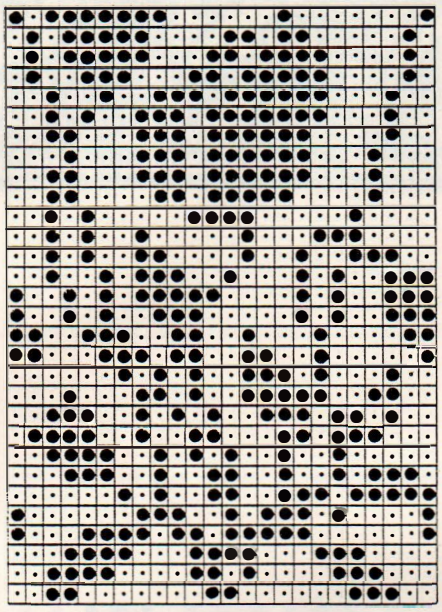


1. Using Col 1, cast on and knit 44 rows stockinet.
Release card and set carriage for Fair Isle.
With Col 1 in feeder 1 and Col 3 in feeder 2, knit 30 rows.
Remove card and set carriage for stockinet.
With Col 1 in feeder 1 only, knit 44 rows.
Cast off.
Using Chart 2, Swiss darn flower heads and small flowers. Sew in all ends.
Give swatch a light steam.



CARD 2
Repeat = 24 sts & 30 rows.

SWATCH 3
(For Standard Gauge Punchcard and Electronic Machines)
Work as for Swatch 1 but substitute Card 3 and Chart 3 in place of Card 1 and Chart 1.



CARD 3
Repeat = 24 sts & 30 rows.

Angie is available to give talks to knitting clubs. For more information please telephone her on 0293 523805.

DIAGONAL STITCH
Take tapestry needle through two stitches at a time. Always work from same direction to keep slant of stitch. Reverse needle direction to reverse slant of stitch. See diagrams below.

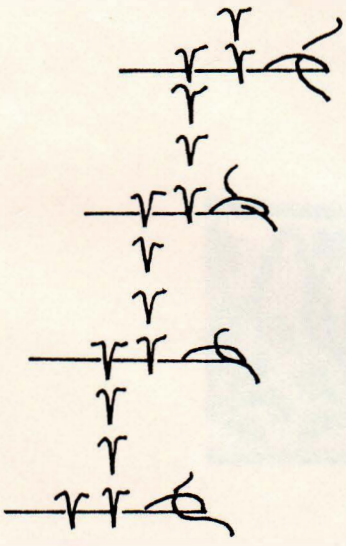


Diagram 1

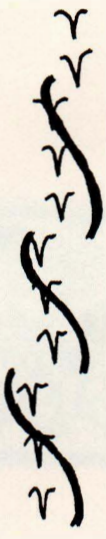


Diagram 2

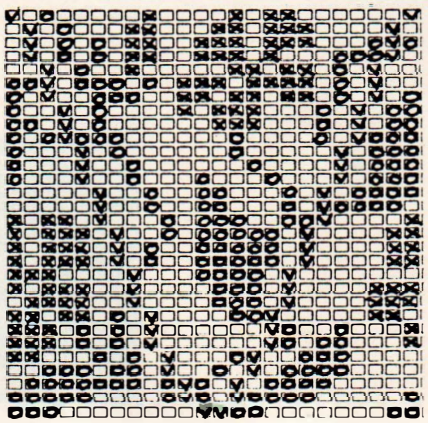


CHART 1

KEY – Chart 1
o = Background knitting (Green)
x = Swiss darning (Purple)
v = Diagonal stitch (Purple)

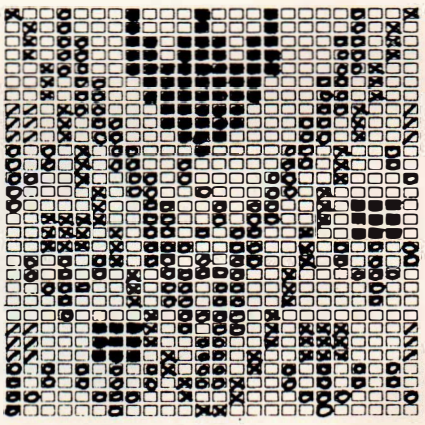


CHART 2

KEY – Chart 2
o = Background knitting (Green)
■ = Swiss darning (Pink – see notes)
x = Swiss darning (Red)
/ = Swiss darning (Purple)

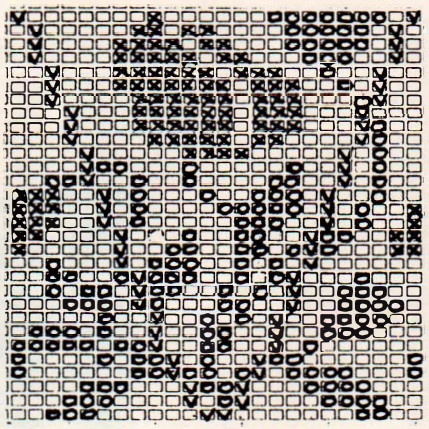


CHART 3

KEY – Chart 3
o = Background knitting (Green)
x = Swiss darning (Red)
v = Diagonal stitch (Red)

Lightweight textured cotton Jumper with Lace Edged Collar and Cuffs.
Lightweight cotton cardi with lace collars and pockets. Worn over a Poppy Border.
Sailor collar with Poppy Border
Lightweight cotton cardi with lace collars and pockets. Worn over a Poppy Border.
Sleeveless Jumper with Square neck and Poppy Border.
Wide strap Summer top using peruvian knit edging trimming for neck and armholes.
Big square motif cardi. Worn as small triangular shawl or as sleeveless jacket.
Twisted Cable edged Cotton cardi with small decoration on front incorporating tulips from tulip border.

ANCHOR AND CABLE SWEATER

A white jumper with a central panel of anchors bordered by cables is the first in a pair of garments specially designed for our 'Nautical Look'.

For standard gauge punchcard or electronic machines with a ribber.

SIZES:
To fit 82-87 (92-97, 102-107, 112-117) cm, 32-34 (36-38, 40-42, 44-46) inch bust or chest.

APPROXIMATE YARN TYPES AND AMOUNTS:
Forsell 2-ply Cotton (2 strands together).
MC (White) – 2 (2, 3, 3) × 250 grm cones.
C (Ocean) – A small amount.

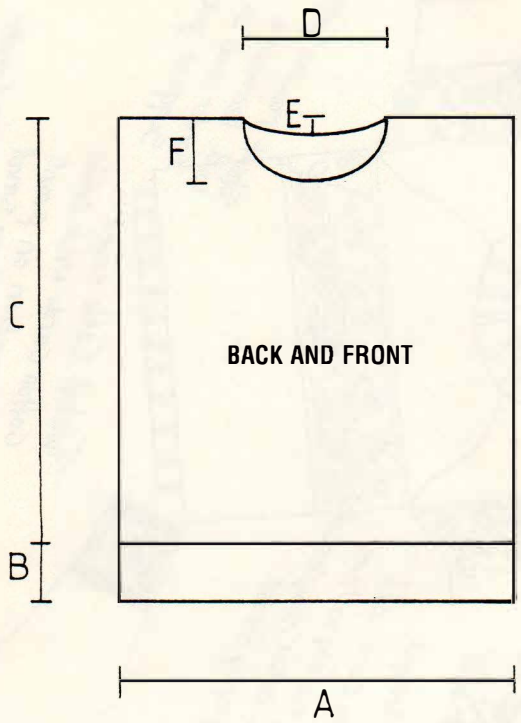
TENSION:
Stocking Stitch – 29 sts and 44 rows to 10 cm, using 2 strands of yarn. TD at approx 7 (MT).

ABBREVIATIONS:
See page 38.

PATTERN NOTE:
Single Motif – see chart.
Single Motif.
Fair Isle Pattern.
Insert card and lock on first row. Set cams for single motif over centre 24 Ns. * K 16 rows MC. Release card and cont in Fair Isle. K 27 rows MC/C. Lock card on first row. Cont in st st *. These 43 rows from * to * form pattern.
Cable Pattern
Work cable over centre 4 sts by crossing 2 sts at left in front of 2 sts at right. K 6 rows.

If you have any problems locating Forsell 2 ply cotton, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

T. Forsell & Son Ltd
Blaby Road
South Wigston
Leicester LE8 2SG



BACK
With ribber in position and carriage at left, set machine for 2×2 rib (2×1 N arrangement). Push 75 (82, 90,97) Ns at left and 74 (82, 89, 97) Ns at right of centre 0 to WP. 149 (164, 179, 194) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 2×2 rib (2×1 N arrangement). Using MC, cast on and K 3 circular rows. Carriage is at left. Set machine for 2×2 rib knitting. Set RC at 000. Using MT–3··/MT–3··, K 41 rows. Transfer sts for st st.
1st and 3rd SIZES
Inc 1 st at right edge.
4th SIZE
Inc 1 st at each end.
ALL SIZES
150 (164, 180, 196) sts *. Set RC at 000. Using MT, K 236 (244, 252, 262) rows.
Shape Neck
Push 95 (102, 110, 118) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows. 47 (54, 62, 70) sts. K 2 rows. Cast off. With carriage at right, push 40 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

FRONT
Work as for back to *. Set RC at 000. Using MT, cont in single motif Fair Isle patt. K 172 (215, 215, 215) rows. Cont in st st and MC. K 38 (3, 11, 21) rows.
Shape Neck
Push 90 (97, 105, 113) Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 47 (54, 62, 70) sts rem. K 22 rows. Cast off. With carriage at right, push 30 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
With ribber in position and carriage at left, set machine for 2×2 rib (2×1 N arrangement). Push 34 (34, 37, 37) Ns at left and right of

30 ▶

Pattern 4

centre 0 to WP. 68 (68, 74, 74) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 2×2 rib (2×1 N arrangement). Using MC, cast on and K 3 circular rows. Carriage is at left. Set machine for 2×2 rib knitting. Set RC at 000. Using MT–3··/MT–3··, K 31 rows. Transfer sts for st st. Inc 1 st at each end. 70 (70, 76, 76) sts. Set RC at 000. Using MT, shape sides by inc st at each end of every 4th row until there are 128 (140, 128, 144) sts, then on every foll 5th row until there are 156 (160, 164, 168) sts. K 2 rows. RC shows 188 (192, 196, 198). Place marker at centre 0. Cast off.

NECKBAND

Join right shoulder seam. With ribber in position and carriage at left, set machine for 2×2 rib (2×1 N arrangement). Push 143 Ns on each bed to WP. Arrange Ns for 2×2 rib (2×1 N arrangement). Using MC, cast on and K 3 circular rows. Carriage is at left. Set machine for 2×2 rib knitting. Set RC at 000. Using MT–3/MT–3, K 28 rows. Transfer sts for st st. Using MT, K 1 row. With wrong side facing, pick up sts around neck edge and place on to Ns. K 1 row. Cast off.

CABLE TRIM (KNIT 2)

Using MC, cast on 8 sts by hand. Set RC at 000. Using MT, K 6 rows. Cont in cable patt until long enough to fit up front from top of welt to neck. Cast off.

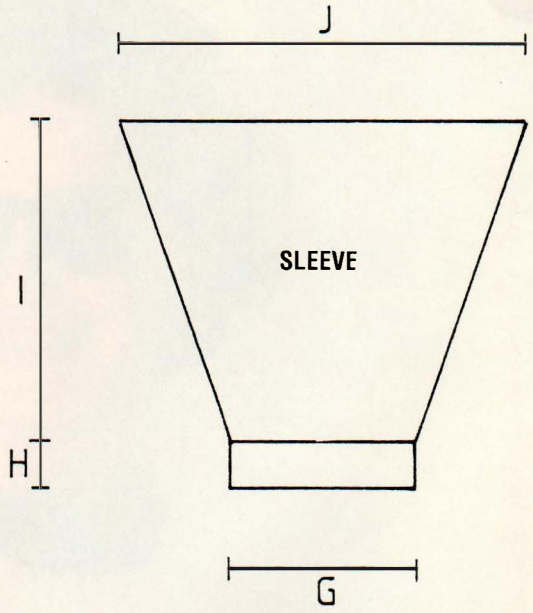
PRESSING

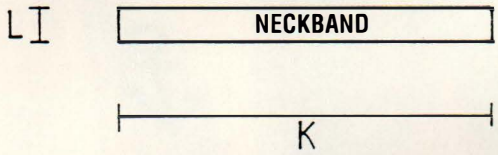
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

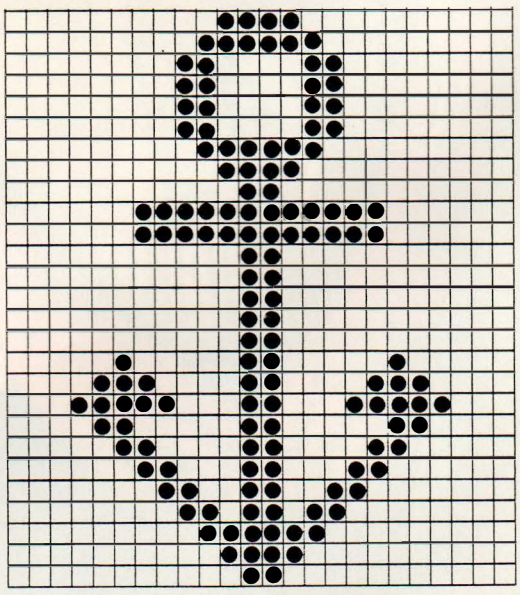
MAKING UP

Join left shoulder and neckband seam. Set in sleeves matching centre to shoulder seams. Join side and sleeve seams. Fold neckband in half to inside and catch down. Sew cable trims into position at each side of anchors as shown in photograph.

A = 51.5 (56.5, 62, 67.5) cm
B = 7 cm
C = 55.5 (57.5, 59.5, 61.5) cm
D = 19 cm
E = 2 cm
F = 8 cm
G = 24 (24, 26, 26) cm
H = 5.5 cm
I = 42.5 (43.5, 44.5, 45) cm
J = 53.5 (55, 56.5, 57.5) cm
K = 49 cm
L = 5 cm







PUNCHCARD CHART

GEOMETRIC GALLERY

By Jane Huntingford

Jane's exclusive collection of fabric designs continues this month with more creative ideas for short float Fair Isle patterns and borders using geometric inspiration.

'SANTANA'

On the several occasions that I have visited the beautiful island of Madeira, I have each time returned to visit the charming village of Santana. Many families of this village live in unusually pretty cottages with steeply pointed thatched roofs, which look as if they have been taken from a fairy tale. I was so intrigued by these cottages that I adapted them for my design 'Santana'.

DESIGN IDEAS

'Santana' is an all-over geometric pattern which is suitable for 24 stitch punchcard and electronic machines. It can easily be transformed into a stunning border design by using one repeat of the pattern (first 24 rows).

This is a very versatile design and one which is particularly suitable for menswear as well as for women's garments. For a striking and dramatic effect use two bold contrasting colours. Use a combination of soft toned yarn shades for a more subtle look. The illustrated samples are knitted in Brockwell Yarns 4 ply Mercerised Cotton.

32 ▶

◀ 31

SAMPLE 1
(24 stitch Punchcard and Electronic Machines)
'Santana' design used as an all-over pattern (Ecru background: shade 601/Black contrast: shade 645).

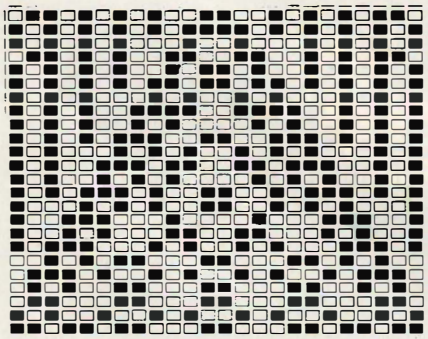
SAMPLE 2
(24 stitch Punchcard and Electronic Machines)
'Santana' design using first 24 rows (one repeat) as a border pattern (colours as sample 1 but Ecru with Gold Lurex mix background).

SAMPLE 3
(Electronic Machines)
'Santana' all-over design using the REFLECTION pattern variation facility to give a dramatic diamond pattern (Purple background: shade 657/Lilac contrast: shade 620).

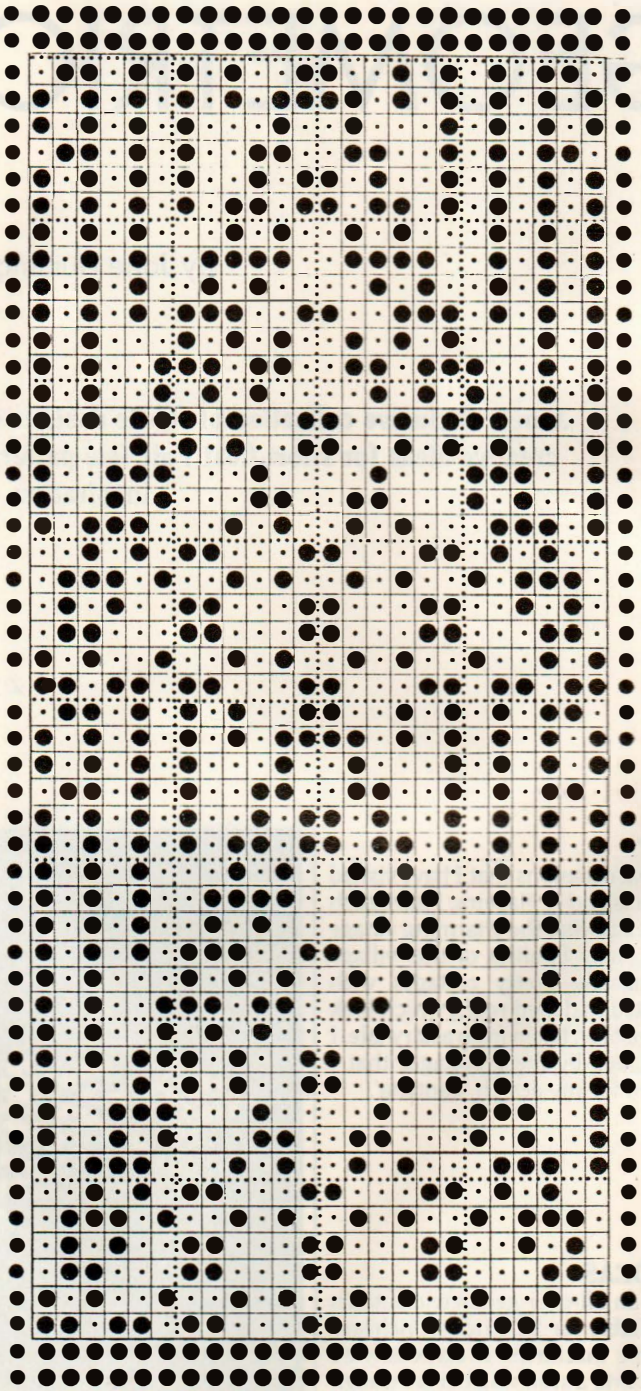
SAMPLE 4
(Electronic Machines)
'Santana' all-over design using the DOUBLE LENGTH facility for another bold variation (Purple background/Red contrast: shade 636).

NOTE
Sample 4 can also be knitted on most 24 stitch punchcard machines by setting the machine to knit every row twice.

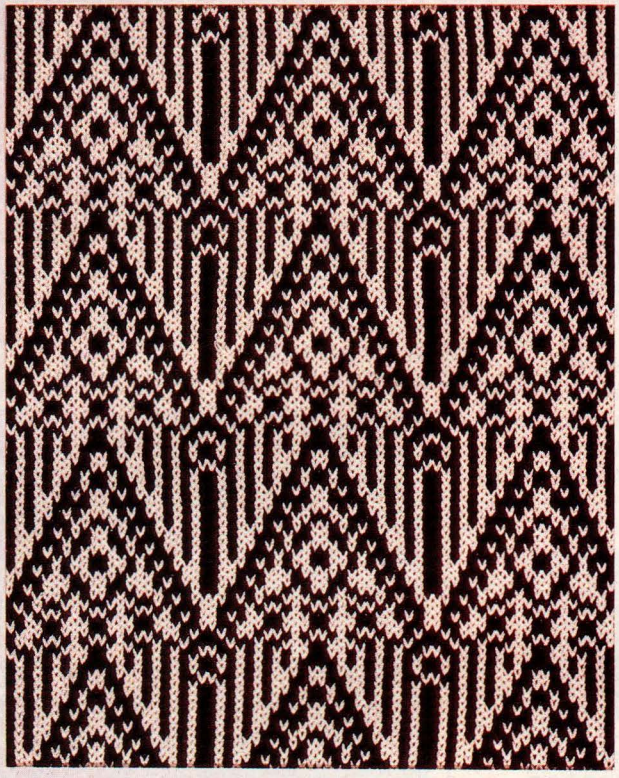
NOTE: Use first 24 rows of design to knit Border Pattern.

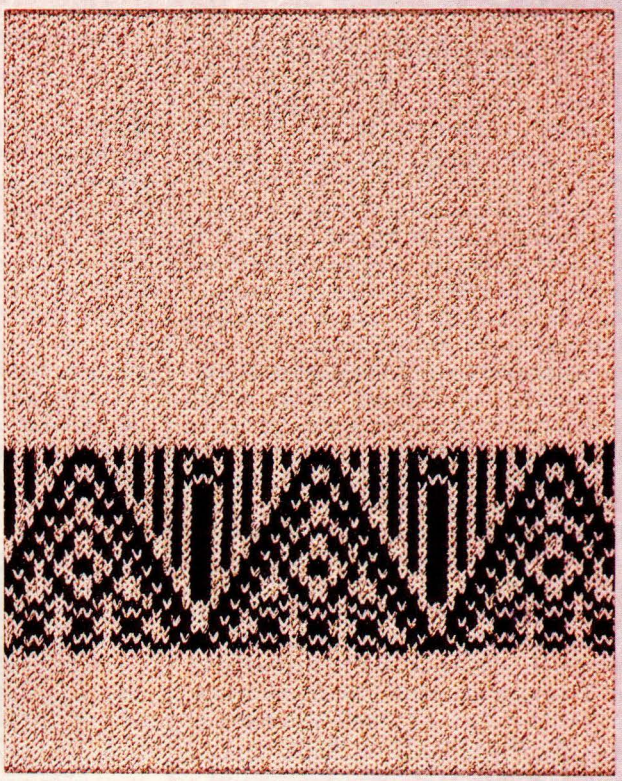


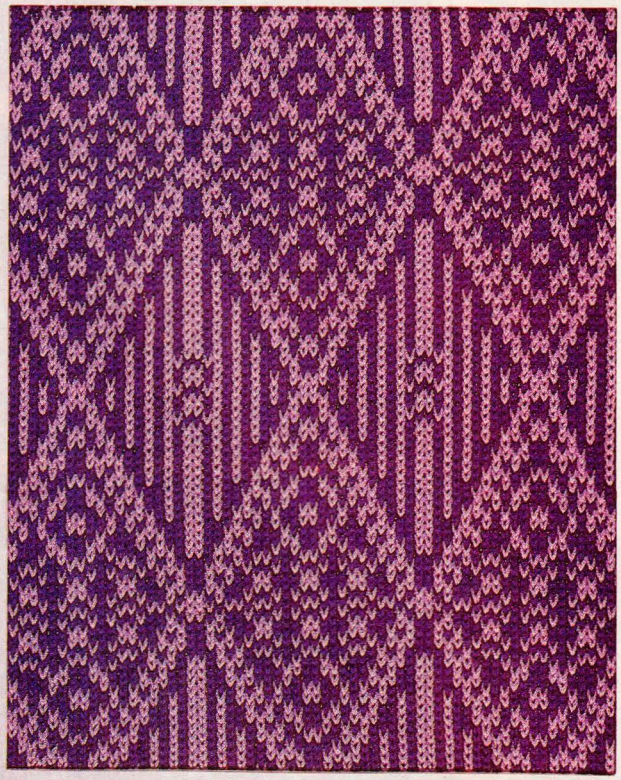
ELECTRONIC ALL-OVER PATTERN

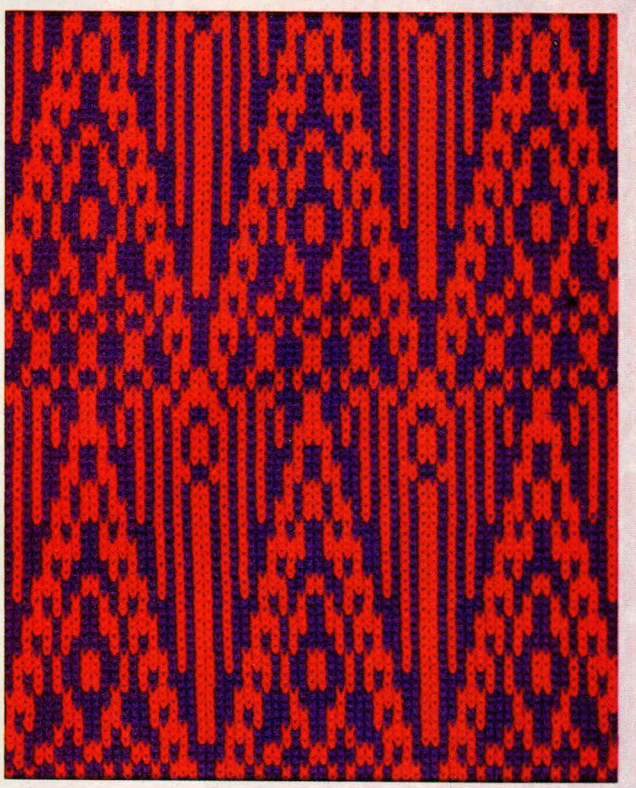


PUNCHCARD ALL-OVER PATTERN









LETTERS, HINTS & TIPS

★ LETTER OF THE MONTH ★

Dear Sue,

I enclose three designs for two-colour slip stitch fabrics, each presented for 10, 12 and 18 stitch widths plus knitted samples to illustrate some of them. Design No 1 slips single stitches on alternate pairs of rows: No 2 slips single stitches on every pair of rows; No 3 slips pairs of stitches (most of the time) on alternate pairs of rows.

Punch the ten stitch versions three times across the card for a 30-stitch fine gauge machine; punch the twelve stitch versions twice across the card for 24 stitch machines. Design No 3 should be punched twice up the card if the ten or twelve stitch versions are used, otherwise the card will be too short to be joined.

Electronic machines can use any of the designs; reverse the coding, filling in the blank squares and leaving blank the coded squares. Use the image reversal button when knitting.

Work one or two rows in stockinet, in the same colour as the welt, before starting the design. If you have a colour changer, end with the carriage at left. Change the colour, set the machine to slip, begin at row one and, after two rows, change the colour.

All I know about Duomatics is that they use a 40 stitch repeat; if they have a slip setting on single bed (or an approximate equivalent) they too can use the ten stitch versions of each of the three designs – again by punching repeats (four times in all) across the card. I do not know if that is feasible? . . .

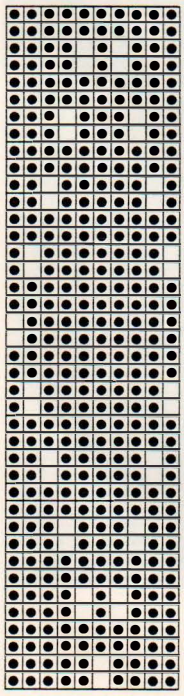
Yours sincerely,

Mrs R. H. Macgregor, Chobham, Surrey

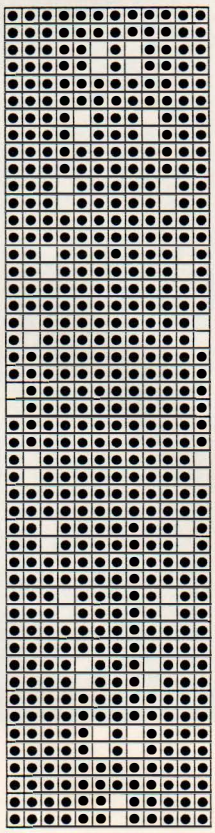
● *Unfortunately, we do not have room to publish all three of Mrs Macgregor's design ideas (which would include nine different charts plus the three knitted samples!) but we can certainly accommodate one of them. If you look carefully at the way in which the basic diamond shape has been adapted to fit the different stitch repeats, you might be encouraged to follow similar principles and have a go yourself at translating and adapting other designs to suit your own machine. Duomatic owners should certainly be able to use the ten stitch repeat (four times across the card) but we suggest that you check with the manual on how to punch the card. On the Japanese machines, the holes represent the stockinet stitches and the blanks are those which 'slip', this might be different for the duomatics.*

Mrs Macgregor would very much like to see more of our pattern designs (with this format of alternative repeats) printed for the benefit of all machine users – in particular, for the benefit of those who do not own the 24 stitch punchcard models. For her efforts in taking the trouble to knit and illustrate the slip stitch designs we will be awarding Mrs Macgregor a ***FREE SUBSCRIPTION*** *to* Modern Machine Knitting *for her 'Letter of the Month'.*

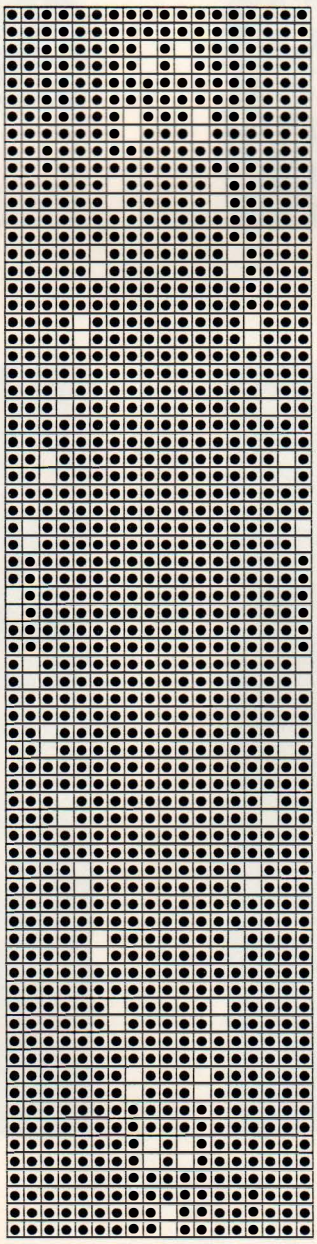
A. 10 Stitch

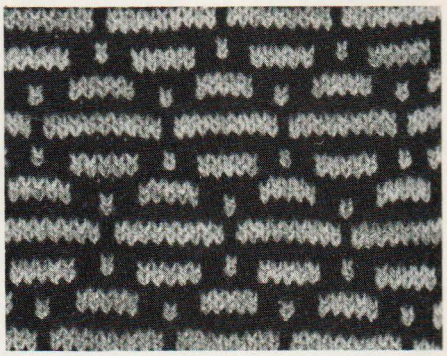


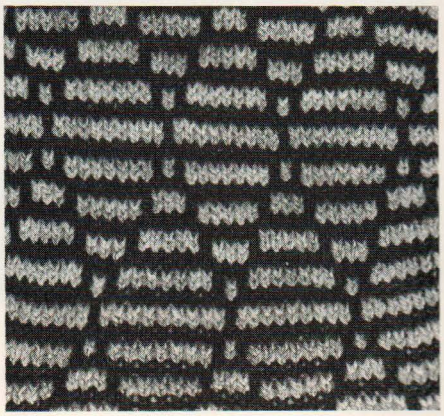
B. 12 Stitch



C. 18 Stitch







LETTERS, HINTS & TIPS

Dear Sue,

I am writing in the hope that one of your readers can help me. I have bought a Knitmaster 250 (about 30 years old) which has a 12 stitch punchcard selector, thus converting it to a 280. Unfortunately, the two end plates are missing – these enable the main carriage to sit off the main bed while the pattern selector is used (a bit like the modern extension rails used by the lace carriage). These plates come as part of the machine. I have tried Knitcraft, who were very helpful with other bits but cannot help me with these as they are not accessories but part of the machine.

I have found this machine very handy as the tension dial has been changed to extend to 14 so it can knit DK yarns with ease. The needle gauge is slightly larger too. Because the needle selector is used in conjunction with the main carriage it is a little slower than the modern machines – however, when using DK, you don't need to knit over so many stitches.

This machine complements my Brother electronic and chunky very well (quite a family of machines – I also have a Singer KE 2400 which my young daughter uses). Your section for second-hand machines is the best. Through this, I have sold and bought many accessories and machines and met many fellow 'knitting nuts' – making me realise what a happy bunch we all are!

Yours sincerely,

Jenny Tiller, Portsmouth

● *If anyone can help Jenny with a solution to the missing end plates on her machine, please let us know and we will forward the information on.*

Dear Sue,

A letter from one of your very many MALE machine knitters and readers of *Modern Machine Knitting*. Brilliant magazine. I get such a lot of ideas from looking through each and every issue.

About the FREE gift that came with the October 1991 issue – very handy indeed. I don't know if anyone has thought of this idea but it is one I always use when knitting large 60 plus stitch patterns. Instead of holding the thread for binding the edges by hand, after the first two rows hang the 'yarn holder' on to the binding thread. This works wonders and is just heavy enough to hold the thread down, leaving both hands free for moving the carriage across and taking up any slack yarn from the contrast colour mast.

Yours sincerely,

M. Beddow, Pontypool, Gwent

● *Thanks for the tip – we hope other readers have found many uses for this item – perhaps they will let us know? Those readers who missed our October issue might like to know that the 'Free Gift' was one of the Newey Goodman Thread and Yarn Holders – a handy size flat plastic bobbin designed for holding small quantities of yarn – very suitable for Intarsia work, storing the nylon cord neatly and other innovative uses such as that described by Mr Beddow! The bobbin measures approximately 4.5 × 6 centimetres and features two side slits which serve the purpose of securing the yarn ends so that they cannot unravel. You can obtain this back issue for £1.95 (inc p&p) from 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR.*

IT'S NEW... IT'S BIG... IT'S

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WHERE AND WHEN?

SEWKNIT will be at the Sheffield Arena from 11-14 February 1993.

This spacious venue, easily accessible by road (1 mile from M1 junction 34), rail or air, is especially equipped with superb facilities, refreshments and ample parking. With an entry price of just £4.00 (advance bookings £3.60). **SEWKNIT** ***will definitely make a great day out!***

WATCH THIS SPACE - Next issue we will let you know *how* to pre-book tickets at the special discount entry price

A TOUCH OF CROCHET

(Part 2)

By Betty Barnden

With just a few basic crochet stitches you can create not only the usual bands and edgings on your knitwear, but many other decorative effects as well. In this, the second part of our new series on combining crochet with knitwear, Betty describes and illustrates more of her ideas on simple but effective ways to decorate your garments. This month she tells you how to crochet lacy looking squares and suggests different and unusual ways in which they can be used. You will also find Betty's special design featuring crochet sleeves and pocket details – see 'Crochet Sleeve T-Shirt' in our patterns section.

This month's crochet ideas are based on simple crochet squares. We probably all remember the traditional crochet bedspreads and the multi-coloured waistcoats made from squares that were so popular in the sixties; here are some new ways to use these techniques in combination with machine knitting. Squares are quick to make, adding an element of texture and a 'hand-made' look to the simplest design.

Use firm cotton yarns to show off the textured stitches, but do experiment with different yarns and hook sizes until you find the right 'handle' for your purpose; the squares should not be too firm or heavy for the knitting to which they are applied. You can use one yarn for the knitting and another for the crochet, but make sure the fibre content is similar or there may be problems when the garment is washed.

In the design sketch, a simple summer vest is shown (far left) trimmed with just one crochet square as a pocket, like Sample B in the colour illustration, about five or six inches square. Make the vest all in white, or choose hot, glowing golden colours for a late summer holiday top. The second vest (shown second left) is very simply made with square armholes; the shoulder pieces are formed by two crochet squares, like Sample C in the colour illustration, each about five inches square and all the edges are finished with a simple crochet trim. This design would look super in a single bright colour to wear on the beach or, alternatively, it could be adapted for evening wear if knitted in black with a Lurex or silky yarn for the crochet. Or make a longer, thigh length version with a deep rib at the lower edge, to wear over pants or a long, floating skirt.

The long sleeved tunic (illustrated centre right) uses a rather different crochet technique. Filet crochet is very adaptable. For Sample A in the colour illustration we used a fruit motif, but there are many possibilities. The stitch used for the basic mesh is practically square, so any two-colour design charted on graph paper can be translated into filet crochet. You could try working from punchcard designs – geometric patterns would be particularly suitable. The tunic in the sketch is a very simple shape with set-in sleeves, filet crochet panels sewn on around the lower edge and cuffs, with a crochet edging to finish the neck. You would need to match the width of the crochet carefully to the width of the knitting; add two extra stitches to the foundation chain for every extra mesh hole required. Make this tunic in one of the new, subtle pastel colours to wear on late summer evenings and through the autumn.

The long sleeved sweater (shown far right) would look wonderful in jazzy, bright colours – perhaps a lime green sweater, with the random crochet motifs (as Sample D in the colour illustration) in pink, orange and red. Or what about black motifs on a white sweater? If made in a DK cotton yarn, this sweater could be worn all year round – take the decoration off again, when you feel like a change!

Before you try out the ideas for yourself, please refer to the instructions given for the 'Basic Crochet Stitches' and the 'Hook Size Guide' (see Part 1 – July issue). These notes should help to get you started.

ABBREVIATIONS

ch – chain; ss – slip stitch; dc – double crochet; tr – treble; dtr – double treble; yrh – yarn round hook; rep – repeat.

Double treble: wind yarn twice round hook; insert hook as directed, yrh, pull through a loop; (yrh, pull through two loops) 3 times.

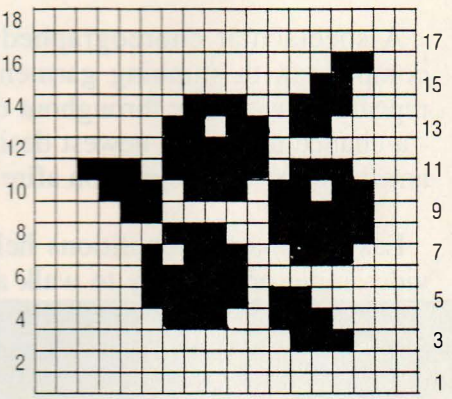
To fasten off: break yarn, 1 ss into next st, pull end through.

To join a new colour: insert hook in last st of previous round, pull through a loop.

SAMPLE A – FILET CROCHET SQUARE

Filet crochet is based on a mesh pattern, with certain holes in the mesh filled-in with an extra stitch, to form the motif. It is easy to follow the charts once you understand that each empty square on the chart represents a hole in the mesh and each filled-in square represents a block, made by working an extra stitch into the hole or stitch below.

CHART FOR SAMPLE A



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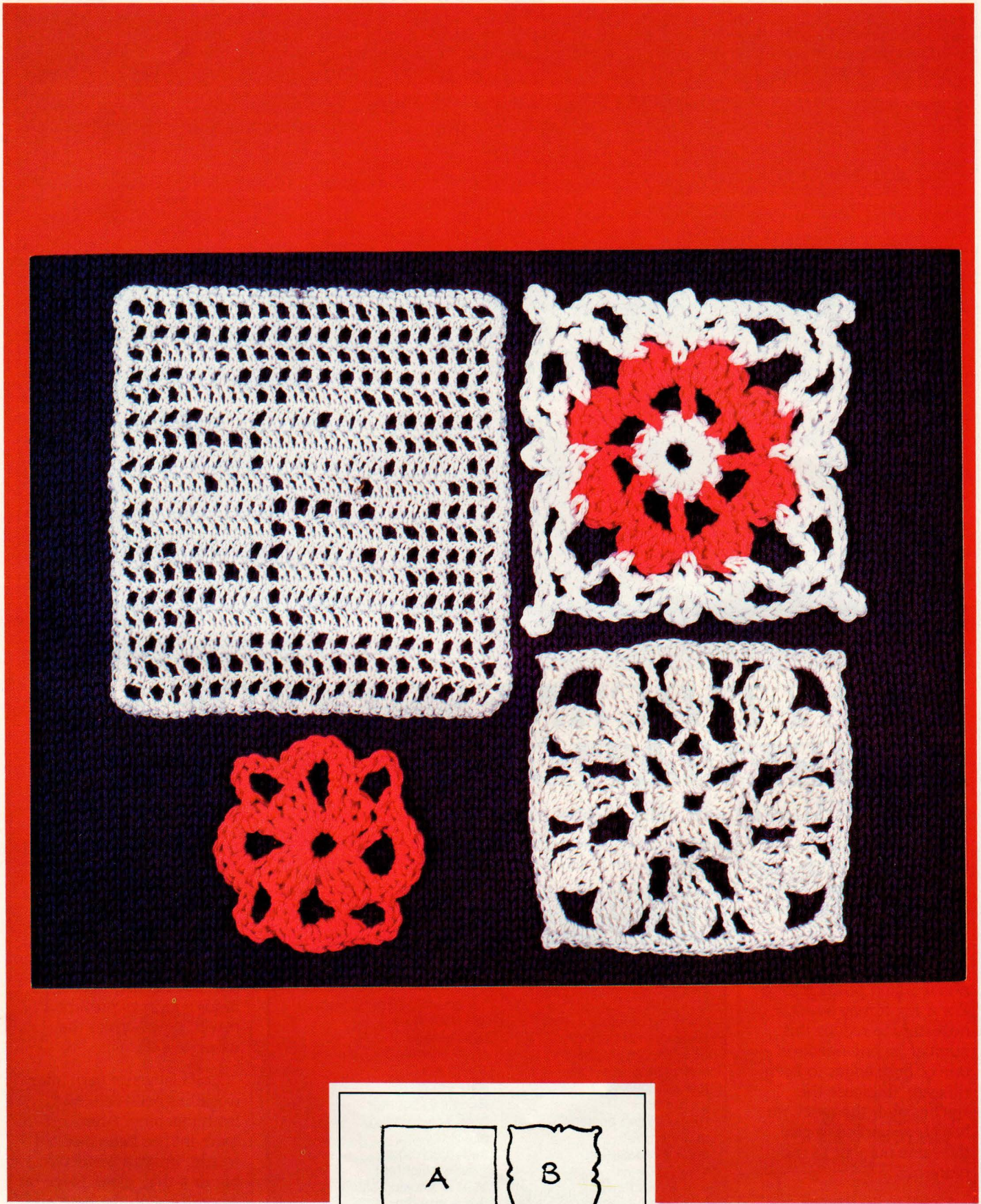
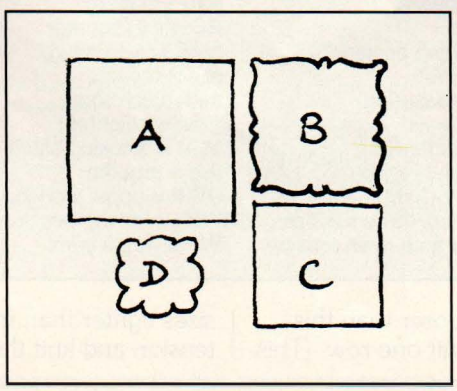
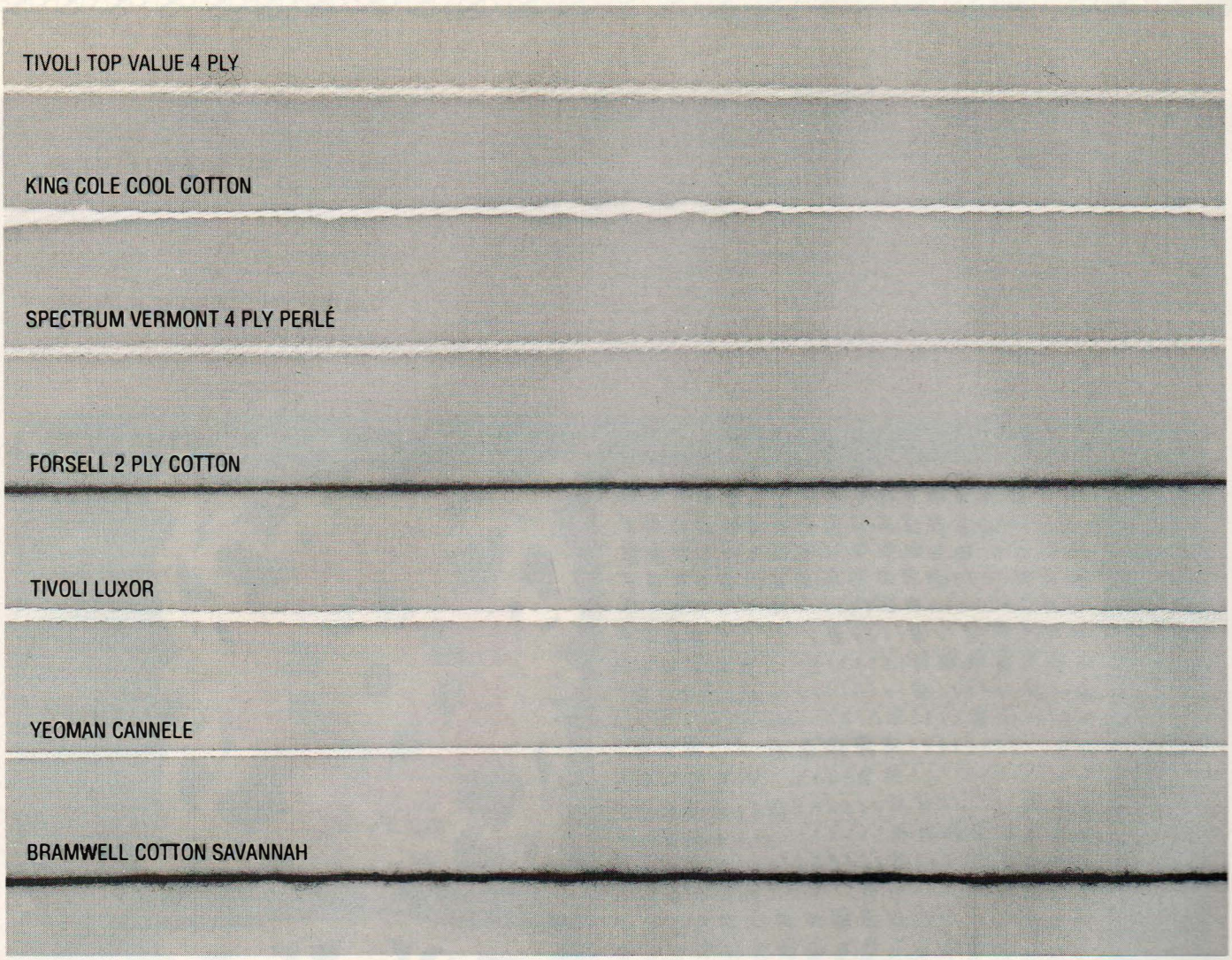




KEY TO SAMPLES



YARN THICKNESS GUIDE
ABBREVIATIONS & NOTES

MOCK RIB Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non working position for a 1 × 1 rib or every third needle back to non working position for a 2 × 1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line). Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or a thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g =grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT–1, MT–2, MT–3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn.

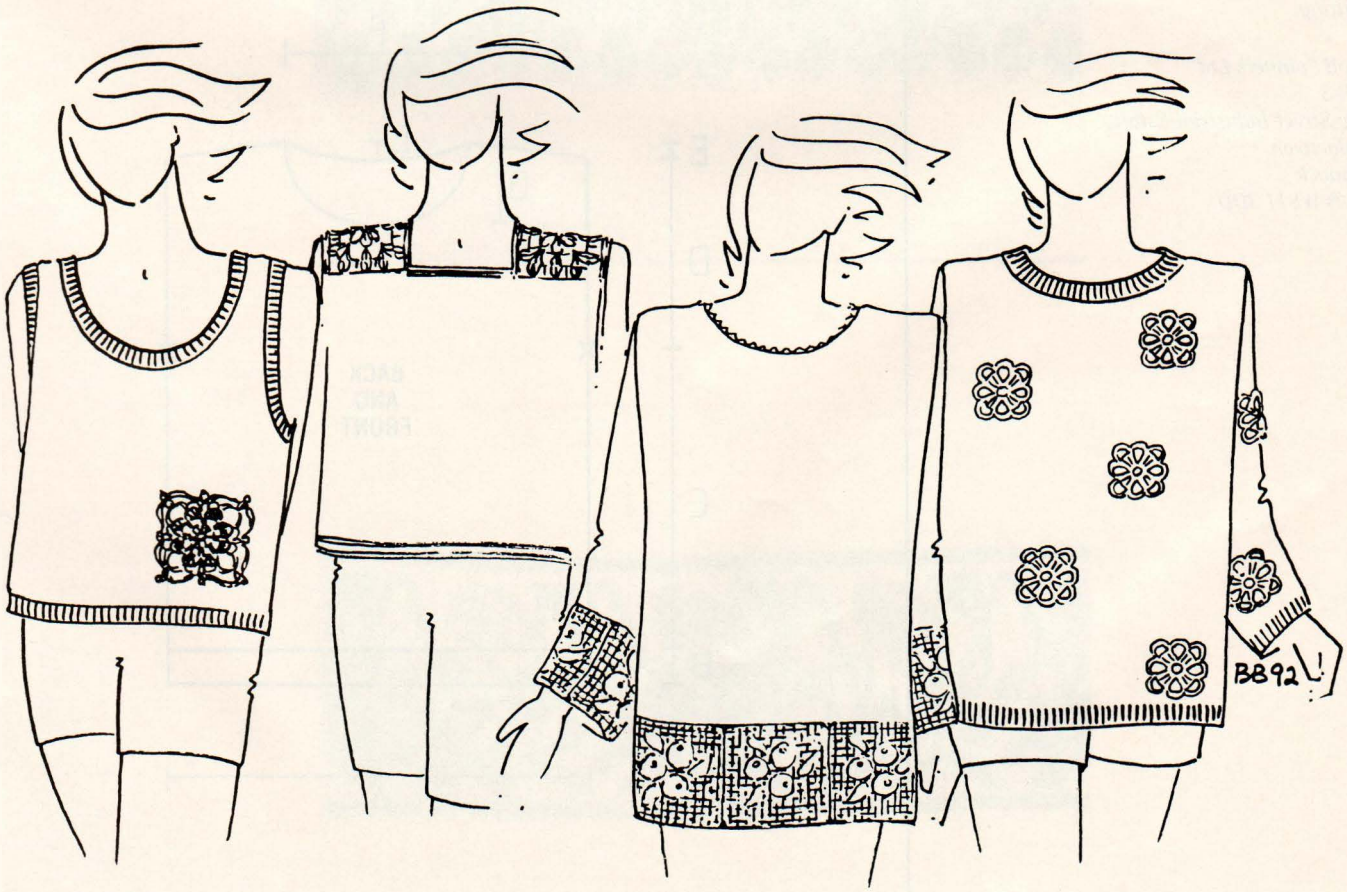
Using Twilley's Lyscordet (3 ply cotton) with hook size approximately 2.50, work as follows:
Make 41 ch.
Row 1: 1 tr into 6th ch from hook, * 1 ch, miss 1 ch, 1 tr into next ch, rep from * to end. (This forms the first row of the chart: 18 holes.)
Row 2: 4 ch, miss 1 tr, 1 tr into next tr, * 1 ch, 1 tr into next tr, rep from * ending with last tr into 3rd of 6 ch at beginning of previous row.
Row 3: (reading from Row 3 of chart, right to left): 4 ch, miss 1 tr, 1 tr into next tr (making first hole); (1 ch, 1 tr into next tr) twice, (1 tr into next ch space, 1 tr into next tr) 3 times; (1 ch, 1 tr into next tr) 11 times; 1 ch, 1 tr into 3rd of 4 ch at beginning of previous row.
Row 4: (reading from row 4 of chart, left to right): 4 ch, miss 1 tr, 1 tr into next tr (making first hole); (1 ch, 1 tr into next tr) 5 times; (1 tr into next ch space, 1 tr into next tr) 3 times; (1 ch, 1 tr into next tr) twice; 1 tr into next ch space, (1 tr into next tr) 5 times; (1 ch, 1 tr into next tr) 3 times, 1 ch, 1 tr into 3rd of 4 ch at beginning of previous row.
Continue this way, reading from successive chart rows until chart row 18 is complete.

To finish, work in dc all round the edge, working 5 dc in to each corner and 2 dc into side edge of each row.

SAMPLE B – FLOWER MOTIF
Using Tivoli Luxor (DK cotton) in shades 850 (white) and 857 (bright pink) with hook size 4.00. This sample is made in the same way as the crochet square used in the *'Crochet Sleeve T-Shirt'* design in the patterns section of this issue, with white for Rounds 1 and 2, bright pink for Rounds 3 and 4 and white for Rounds 5 and 6.

SAMPLE C – TILE MOTIF
Using Twilley's Stalite (4 ply cotton) in shade 78 (white) with hook size approximately 3.00, work as follows:
Make 8 ch and join into a ring with a ss through first ch.
Round 1: 1 ss into ring, 3 ch, 3 tr into ring, * 5 ch, 4 tr into ring, rep from * twice more, 5 ch, 1 ss into 3rd of 3 ch at beginning of round.
Round 2: 1 ch, 1 dc into same place as ss, * 5 ch, miss 2 tr, 1 dc into next tr, 5 dc into ch space, 1 dc into next tr, rep from * omitting 1 dc at end of last rep, 1 ss into first dc.
Round 3: 1 ss into each of next 3 ch, 4 ch, 2 dtr into same place as last ss, * 3 ch, miss 3 dc, 6 dtr into next dc, 3 ch, miss 2 ch, 3 dtr into next ch, rep from * omitting 3 dtr at end of last rep, 1 ss into 4th of 4 ch at beginning of round.
Round 4: 4 ch; leaving last loop of each on hook, work 1 dtr into same place as ss, 1 dtr into next dtr and 2 dtr into next dtr, then yrh, draw through all loops on hook (a cluster made), * 2 ch, 1 dtr into ch space, 2 ch; leaving last loop of each on hook, work 2 dtr into next dtr, 1 dtr into next dtr and 2 dtr into next dtr, then yrh, draw through all loops on hook (a cluster made), 7 ch, 1 cluster over next 3 dtr, 2 ch, 1 dtr into ch space, 2 ch, 1 cluster over next 3 dtr, rep from * omitting last cluster, 1 ss into 4th of 4 ch at beginning of round.
Round 5: * 1 dc into top of cluster, 2 dc into ch space, 1 dc into dtr, 2 dc into ch space, 1 dc into top of cluster, 4 dc into 7 ch space, 3 ch, 4 dc into same ch space, 1 dc into top of cluster, 2 dc into ch space, 1 dc into dtr, 2 dc into ch space, rep from *, 1 ss into first dc. Fasten off.

SAMPLE D – SMALL TILE MOTIF
Using Tivoli Luxor in shades 857 (bright pink) with hook size approximately 4.50, work Rounds 1 and 2 as Sample C. Fasten off.



CROCHET SLEEVE T-SHIRT

Betty Barden's feature on crochet is beautifully illustrated by this simple knitted top with delicate sleeves of crocheted squares.

For 6.5 (double knitting) machines.

SIZES:
To fit 82 (87, 92) cm, 32 (34, 36) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Tivoli Luxor.
MY (White) – 580 (620, 660) grms.
4.00 mm crochet hook.

TENSION:
Stocking Stitch – 21 sts and 27½ rows to 10 cm. TD at approx 4 (MT).

ABBREVIATIONS:
See Page 38.
Crochet Abbreviations:
ch = chain
ss = slip stitch
dc = double crochet
tr = treble

PATTERN NOTE:
We used knit side of knitting as right side of garment.

If you have any problems locating Tivoli Luxor, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

Tivoli Spinners Ltd
Unit 3
New Street Industrial Estate
Bridgetown
Cannock
Staffs WS11 3DD

BACK
Push 53 (55, 58) Ns at left and right of centre 0 to WP. 106 (110, 116) Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MY, cast on by hand. Push Ns to UWP. Set RC at 000. Using MT–1, K 16 rows. Drop the 3rd and every foll alt st and pick up as for ribbing. Set RC at 000. Using MT, K 100 (104, 108) rows. Place marker at each end *. K 62 rows. RC shows 162 (166, 170).

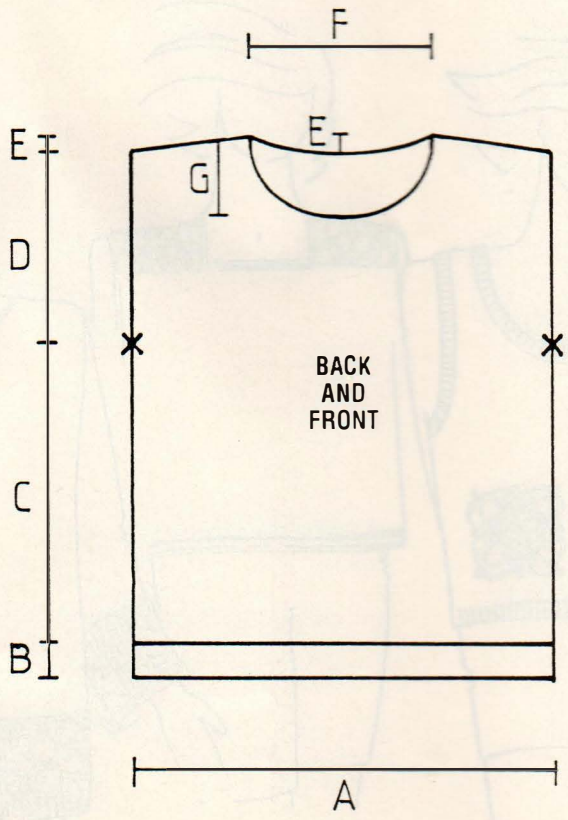
Shape Neck and Shoulders
Push 72 (74, 77) Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge on every row and, AT THE SAME TIME, cast off 10 (11, 12) sts at beg of next and foll alt row, K 1 row. Cast off rem 10 (10, 11) sts. With carriage at right, push 38 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

FRONT
Work as for back to *. K 42 rows. RC shows 142 (146, 150).

Shape Neck
Push 64 (66, 69) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next row. Dec 1 st at neck edge of every row until 34 (36, 39) sts rem, then on every foll alt row until 30 (32, 35) sts rem. K 6 rows.

Shape Shoulder
Cast off 10 (11, 12) sts at beg of next and foll alt row, K 1 row. Cast off rem 10 (10, 11) sts. With carriage at right, push 22 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

NECKBAND
Join right shoulder seam. Push 116 Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MY, cast on by hand. Push Ns to UWP. Set RC at 000. Using MT–1, K 10 rows. Drop the 3rd and every foll alt st and pick up



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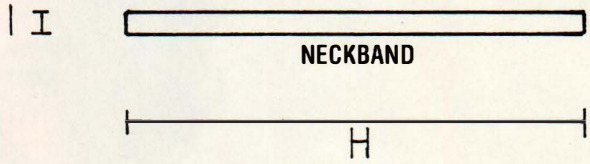
Pattern 5

◀ 40

as for ribbing. With P side facing, pick up 116 sts around neck edge and place on to Ns. Using MT+2, K 1 row. Cast off.



CROCHET SLEEVES
Each sleeve is made of 4 squares which should each measure 11.5 cm square. Make the first square, pin out to size and press carefully to check size; if necessary change to a smaller or larger hook.

Crochet Square
Round 1: Using MY and 4.00 mm crochet hook, make 8 ch and join into a ring with a ss into first ch.
Round 2: (Work over the end of the yarn and the ring on this round; then after completion pull on the yarn end to close the centre hole slightly): 1 ch, 15 dc into ring, 1 ss into first ch.
Round 3: 6 ch, * miss 1 dc, 1 tr into next dc, 3 ch, rep from * 6 more times, 1 ss into 3rd of 6 ch at beg of round.
Round 4: * 1 dc into ch loop, 3 tr into same ch loop, 1 dc into same ch loop, 1 ss into top of tr, rep from * 7 more times.
Round 5: * 5 ch, 1 dc into centre tr of 3 tr, 8 ch, 1 dc into centre of next 3 tr, 5 ch, 1 dc into ss between next 2 'petals', rep from * 3 more times.
Round 6: * 3 ch, 1 tr into 5 ch loop, 3 ch, 1 tr into 8 ch loop, 6 ch, 1 ss into 5th ch from hook (making a corner picot), 1 ch, 1 tr into same 8 ch loop, 3 ch, 1 tr into 5 ch loop, 3 ch, 1 ss into ss of previous round, 5 ch, 1 ss into same ss (making an edge picot), rep from * 3 more times. Fasten off.

Second Square
Work as first square rounds 1–5.
Round 6: Rep from * as first square, twice in all, then join to first square thus: 3 ch, 1 tr into 5 ch loop, 3 ch, 1 tr into 8 ch loop, 4 ch, 1 ss into a corner picot of first square, inserting hook from back to front, 1 ch, 1 ss into 4th st from hook, 1 ch, 1 tr into same 8 ch loop, 3 ch, 1 incomplete tr into 5 ch loop (i.e., yarn round hook, insert hook into 5 ch loop, draw up a loop, yarn round hook, draw through 2 loops, leaving 2 loops on hook) insert hook from back to front into top of corresponding tr on first square, yarn round hook, draw through 3 loops, 3 ch, 1 ss into ss of previous round, 3 ch, 1 ss into

corresponding edge picot of first square, 1 ch, 1 ss into same ss, 3 ch, 1 incomplete tr into 5 ch loop, join to corresponding tr of first square as before, 3 ch, 1 tr into 8 ch loop, 4 ch, 1 ss into corner picot of first square, 1 ch, 1 ss into 4th st from hook, complete round as for first square. Fasten off.

Third Square
As second square, joining in the same way to make a strip of 3.

Fourth Square
As second square, joining by the same method one edge to third square and the opposite edge to first square, making a ring of 4 squares.
Make the second sleeve in the same way.

POCKET
Make another square as first square.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Join left shoulder and neckband seam. Join side seams up to markers. Set in sleeves, matching two complete squares to each side of armhole. Sew three sides of pocket into position, top edge approx 7 cm below neck edge and inner edge approx 3 cm from centre front.

A	=	50 (52, 55) cm
B	=	3 cm
C	=	36 (37.5, 39) cm
D	=	22.5 cm
E	=	1.5 cm
F	=	22 cm
G	=	9 cm
H	=	55 cm
I	=	2.5 cm

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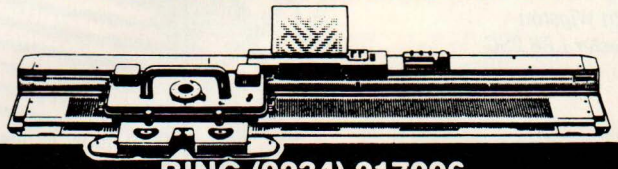

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For standard gauge punchcard or electronic machines with a ribber.

SIZES:
To fit 82-87 (92-97, 102-107, 112-117) cm, 32-34 (36-38, 40-42, 44-46) inch bust or chest.

APPROXIMATE YARN TYPES AND AMOUNTS:
Forsell 2 ply Cotton (2 strands together).
MC (Ocean) – 2 (2, 3, 3) x 250 grm cones.
C (White) – 1 (1, 1, 1) x 250 grm cone.

TENSION:
Stocking Stitch – 29 sts and 44 rows to 10 cm, using 2 strands of yarn. TD at approx 7 (MT).

ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Fair Isle – see chart.
Fair Isle and Stripe Pattern.
Insert card and lock on first row. K 4 rows MC. * K 2 rows C and 2 rows MC. Rep from * 3 more times. Release card and cont in Fair Isle. K 27 rows MC/C. Cont in st st. ** K 2 rows MC and 2 rows C. Rep from ** 3 more times.

If you have any problems locating Forsell 2 ply cotton, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

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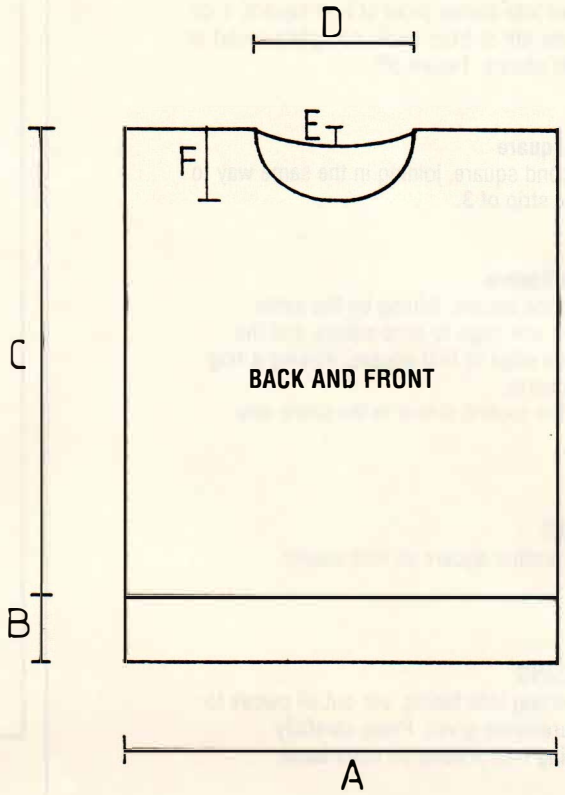


BACK
With ribber in position and carriage at left, set machine for 1×1 rib. Push 75 (82, 90, 98) Ns at left and right of centre 0 to WP. 150 (164, 180, 196) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–4·/MT–4·, K 41 rows. Transfer sts for st st. Set RC at 000. Using MT, cont in Fair Isle and stripe patt, K 63 rows. Cont in MC *. K 173 (181, 189, 199) rows. RC shows 236 (244, 252, 262).

Shape Neck
Push 95 (102, 110, 118) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows. 47 (54, 62, 70) sts. K 2 rows. Cast off. With carriage at right, push 40 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

FRONT
Work as for back to *. K 147 (155, 163, 173) rows. RC shows 210 (218, 226, 236).

Shape Neck
Push 90 (97, 105, 113) Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 47 (54, 62, 70) sts rem. K 22 rows. Cast off. With carriage at right, push 30 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 35 (35, 38, 38) Ns

46 ▶

◀ 44

at left and right of centre 0 to WP. 70 (70, 76, 76) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–4·/MT–4·, K 31 rows. Transfer sts for st st. Set RC at 000. Using MT, cont in Fair Isle and stripe patt. Shape sides by inc 1 st at each end of every 4th row until there are 100 (100, 106, 106) sts. K 3 rows. RC shows 63. Cont in MC and cont to inc on every 4th row from previous inc until there are 128 (140, 128, 144) sts, then on every foll 5th row until there are 156 (160, 164, 168) sts. K 2 rows. RC shows 188 (192, 196, 198). Place marker at centre 0. Cast off.

NECKBAND

Join right shoulder seam. With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 143 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–4·/MT–4·, K 28 rows. Transfer sts for st st. Using MT, K 1 row. With wrong side facing, pick up sts around neck edge and place on to Ns. K 1 row. Cast off.

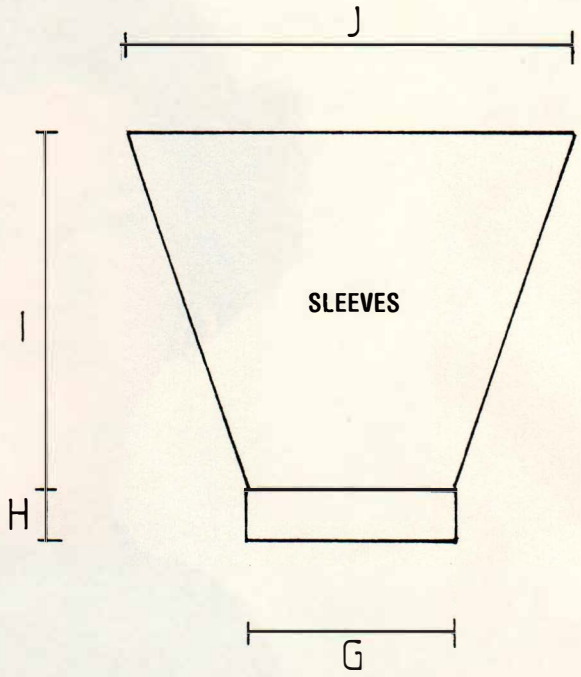
PRESSING

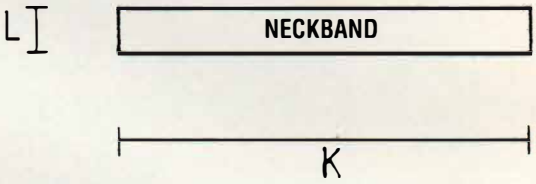
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

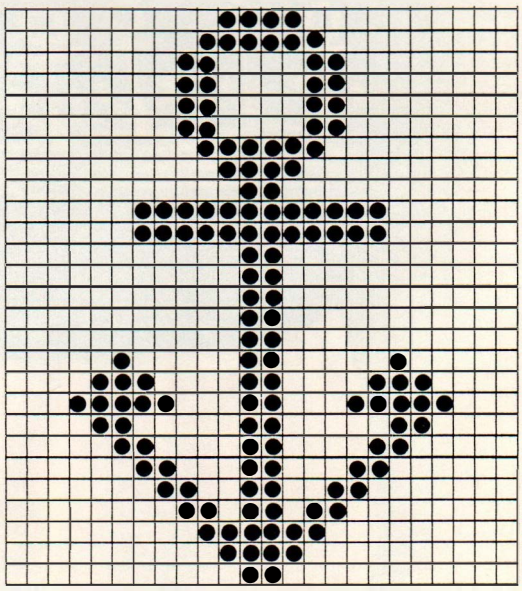
MAKING UP

Join left shoulder and neckband seam. Set in sleeves matching centre to shoulder seams. Join side and sleeve seams. Fold neckband in half to inside and catch down.

A = 51.5 (56.5, 62, 67.5) cm
B = 7 cm
C = 55.5 (57.5, 59.5, 61.5) cm
D = 19 cm
E = 2 cm
F = 8 cm
G = 24 (24, 26, 26) cm
H = 5.5 cm
I = 42.5 (43.5, 44.5, 45) cm
J = 53.5 (55, 56.5, 57.5) cm
K = 49 cm
L = 5 cm







PUNCHCARD CHART

FINISHING TOUCH

By **A**ngela **G**ordon

Many knitters ask why they should bother producing lace with the ribber when they have a lace carriage which is much quicker to use. The simple answer is that the ribber can be used to create a fabric which is quite different from that produced by single bed transfer lace and one which is far more textured. It is also interesting to master different techniques on our machines as we learn something with every new thing we try! For the next two articles, Angela will be taking a look at some of the much neglected ribber stitch fabrics which include shadow lace, drive lace and release stitch. This month, take the opportunity to sample some of these attractive shadow lace fabrics.

Knitters without a lace carriage should definitely try out one of these alternatives for their summer tops, and chunky owners (who have no lace carriage at all) will discover that if they have a ribber, they can also produce this type of lace fabric. The main drawback is that the technique is far more time consuming than knitting transfer lace, but the results are well worth the effort.

Shadow lace is the first technique that we will try out. In its simplest form needles are placed into working position on the ribber bed and then, after one or two rows have been knitted, the stitches are transferred from the ribber to the main bed. The needles which are placed into working position collect a loop of yarn on the first row knitted, this loop is knitted through on the second row and the stitch is then transferred to the main bed. The collection of a loop on to a needle (on any bed) which does not already contain a stitch, will create an eyelet hole and this is how shadow lace is created.

Shadow lace can be produced using the regular double eyed bodkin (rib transfer tool) to transfer the stitches from one bed to the other, but this is very laborious. A rib transfer carriage can be used if you are working the transfers from the ribber to the main bed. However, a shadow lace tool allows stitches to be transferred from/to either bed.

There are two different types of shadow lace transfer tool. One is a large multiple transfer tool with 15 prongs which are bent at the end and which transfers alternate stitches. This is the one I find easiest to use. The procedure is as follows:

Bring all the alternate needles on the ribber to upper working position with the stitch behind the latch, place the eyelets on to the needle hooks making sure that every needle is caught and push the needles back to normal working position with the tool. This closes the latches, allowing the stitches to fall from the needles on to the tool.

NOTE: Silver Reed machines have a P carriage which can be used to bring the needles to the correct position for transferring – this should also be used when transferring stitches from the ribber to the main bed with either transfer carriage or double eyed transfer tool.

Tilt the tool to make sure all the stitches are securely held and then tilt until it is horizontal with the plastic handle resting on the main bed and the prongs are between the sinker posts. Push the needles on the main bed forward, so that the needle hooks slide along the groove in the tool prongs, through the stitches and right out to holding position. Finally, tilt the tool forwards to release the prongs from the stitches, which should be securely placed on to the shaft of the main bed needles.

The second tool is like a pair of jaws which can transfer 20 adjacent stitches from either bed to the opposite one. The jaws should be opened and stitches carefully transferred from the needles on to the prongs on side one. Place the eyes on to the needle hooks and pull the needles forward, then push them back to collect the stitches on the prongs in exactly the same way as you would use the two or three-pronged transfer tool.

Close the jaws and rock the tool to allow the stitches to slide on to the prongs of side two. Finally, replace the stitches on to the needles on the opposite bed. It is imperative to remove the stitches with side one of the tool and then tilt them on to side two, otherwise you will have dropped stitches.

The tools really are like large transfer tools but they do take a bit of getting used to at first. One thing that greatly speeds up the transfer is ensuring that all latches are open before using either tool. **Samples 1 to 5** were worked with the first type of tool and **Sample 6** really requires the jaw type as adjacent stitches are transferred in groups. All the samples are knitted in cotton, the red is Ballantrae soft combed cotton using two strands together and the purple is Yeoman Perle.

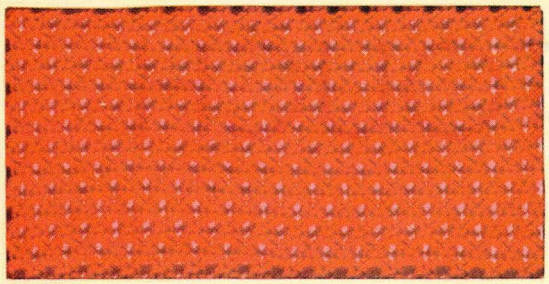
SAMPLE 1

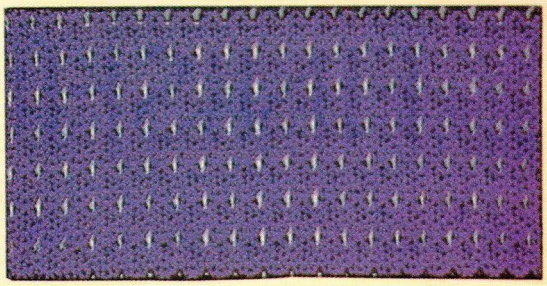
(purl side = right side)

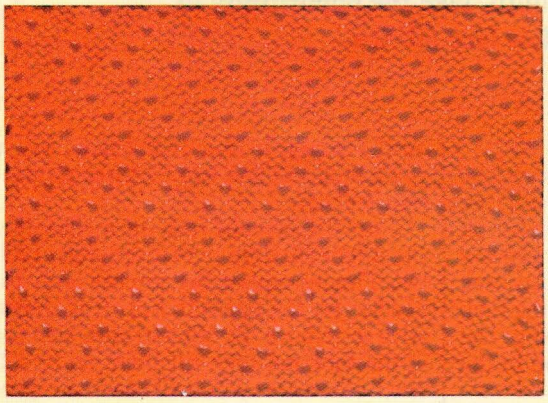
This is a basic mesh lace worked on every main bed needle and alternate ribber needles. Cast on for 1×1 rib and then transfer all the ribber stitches to the main bed but leave the needles in work. Change the pitch lever to H as it is basically a full needle rib setting (double rib) but with some needles out of work.

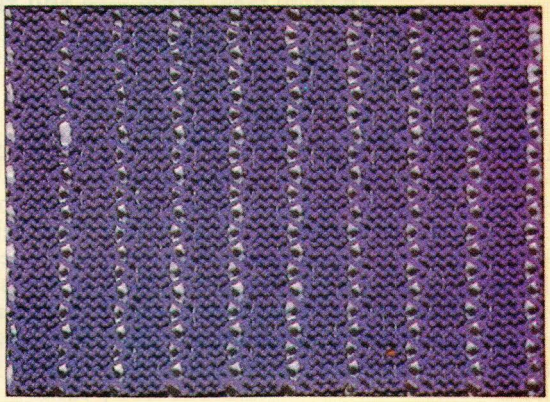
Set the tension dials to 6/4 (6 on the main bed). Knit 2 rows, transfer the stitches on to the main bed needles to the right, leave the empty needles in work and rack one pitch to the right. Knit 2 rows,

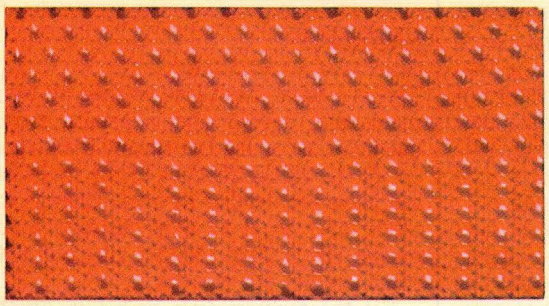
49 ▶

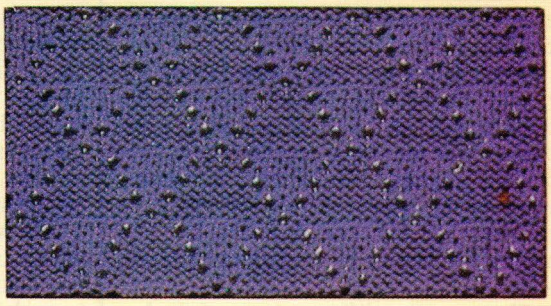












transfer the stitches to the main bed needles to the left, rack to the left. Repeat this sequence until the fabric is the correct length.

SAMPLE 2
(knit side = right side)
This lace pattern uses the same set up as Sample 1 but has no racking sequence. Work the main fabric with the pitch lever on H using tension 7/5 as follows:

Knit 2 rows and transfer stitches from the ribber bed needles to the main bed needles, leaving the empty needles in work. Put both ribber set levers up (on 0) and knit 2 rows on the main bed only. Put the set levers down and repeat from the start so that you are knitting two rows on both beds, then transferring and knitting two rows on the main bed only throughout. This creates an interesting raised texture on the knit side but could also be used with the purl side as right side.

SAMPLE 3
(either side = right side)
This fabric is produced with every needle in work on the main bed and every fourth needle in work on the ribber. Cast on for 1×1 rib then transfer stitches to the main bed and take needles out of work on the ribber to leave one in work and three out. Set the pitch lever on H and using tension 6/4, work as follows:

Knit 2 rows, transfer all stitches to the main bed then rack one pitch to the left. Continue knitting 2 rows, transferring and racking to the left five times in all then use the same sequence but rack back to the right five times. This produces a zig zag pattern effect.

SAMPLE 4
(purl side = right side)
This is knitted in exactly the same way as Sample 3 with the exception that the racking is alternated only once to the left then once to the right throughout with the tension setting at 7/6.

SAMPLE 5
Here is a fabric which is thicker than the other samples because it is worked in true full needle rib, with every needle in work on both beds all the time. For the main fabric, set the pitch lever on H and use tension 6/7.

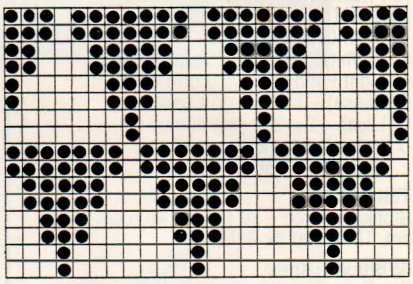
The lower half of the sample has the second and every following alternate stitch transferred from the ribber to the main bed every two rows. The same stitches are always transferred and this produces an unusual lacy type rib fabric with the stitches which are not transferred creating vertical columns.

The top half of the sample is the same fabric but the transfers are worked first on needles 2, 4, 6 and so on, then on 1, 3, 5 and so on for the second and every alternate transfer row.

SAMPLE 6
For this fabric a Mylar sheet (or punchcard) pattern is used to select needles on the main bed and the stitches are transferred to the ribber bed after every eight rows. Refer to the charts for marking out the pattern or use any of the patterns in your pattern pack which have a triangular (the point must be at the bottom) or diagonal slant to them. Alternatively, you can manually select the needles to upper working position on every row.

To knit the pattern, cast on in 1×1 rib, knit a few rows and transfer all the stitches to the ribber. Set the pitch lever on H and make sure all the needles are in work on both beds. Program the pattern and set the main bed carriage to slip. Using tension 6/7, knit 8 rows and transfer the groups of 7 main bed stitches to the ribber needles. Repeat this knitting and transferring sequence throughout.

I will leave you to try out some more variations for yourself – I am going to experiment with some of these stitches in mohair on my chunky machine. Next time we will explore some drive lace and release stitch patterns.



SAMPLE 6

Punchcard pattern – repeat these 16 rows twice more to rotate

SAMPLE 6

Electronic Repeat

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INTARSIA FLOWER SWEATER

Bold stylised flowers grow from the pockets of a simple white sweater. They are worked in intarsia with touches of embroidery.

For standard gauge machines with a ribber and intarsia carriage.

SIZES:
To fit 81-86 (91-96) cm, 32-34 (36-38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman Cannele.
MC (White) – 2 (3) × 250 grm cones.
A (Light Pink) – 1 × 250 grm cone.
B (Cerise) – 1 × 250 grm cone.
C (Lilac) – 1 × 250 grm cone.
D (Yellow) – 1 × 250 grm cone.
E (Jade) – 1 × 250 grm cone.

TENSION:
Stocking Stitch – 30 sts and 40 rows to 10 cm. TD at approx 7 (MT).

ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Intarsia – see chart.

If you have any problems locating Yeoman Cannele, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

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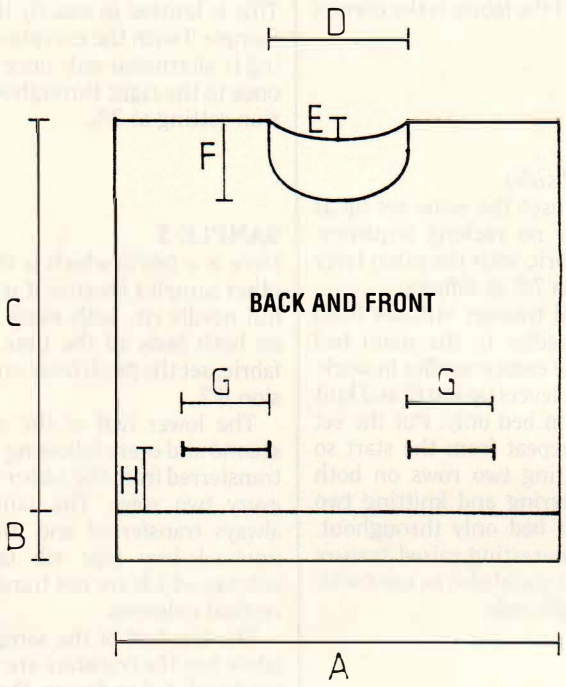


BACK
With ribber in position and carriage at left, set machine for 1×1 rib. Push 87 (95) Ns at left and right of centre 0 to WP. 174 (190) Ns. * Push coresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 31 rows. Transfer sts for st st *. Set RC at 000 **. Using MT, K 196 rows.

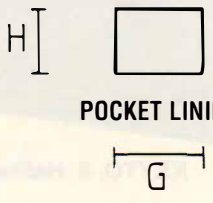
Shape Neck
Using a length of MC, cast off centre 48 sts. Push 63 (71) Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at beg of next and every foll alt row until 60 (68) sts rem. K 2 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

POCKET LININGS
Using MC, cast on 34 sts by hand. Set RC at 000. Using MT, K 32 rows. Using WY, K a few rows and release from machine.

FRONT
Work as for back to **. using MT, K 32 rows.

Pocket Openings
Using lengths of MC, cast off sts 23 to 56 inclusive at left and right of centre 0. With P side facing, replace pocket linings on to empty Ns. Unravel WY. K 28 rows. RC shows 60. Cont in intarsia patt over 70 Ns at left and 66 Ns at right of centre 0. K 59 rows. Cont in st st and MC. K 45 rows. RC shows 164.

Shape Neck
Using a length of MC, cast off centre 20 sts. Push 77 (85) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 5 sts at beg of next row, K 1 row. Cast off 3 sts at beg of next and foll alt row, K 1 row. Dec 1 st at beg of next and every foll alt row until 60 (68) sts rem. K 22 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.



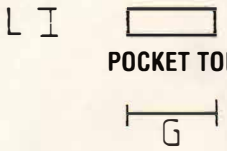
A = 58 (63) cm
B = 6 cm
C = 51 cm
D = 18 cm
E = 2 cm
F = 10 cm
G = 11 cm
H = 8 cm
I = 33 cm
J = 36 cm
K = 54.5 cm
L = 3 cm
M = 65 cm

Pattern 7

◀ 50

SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 50 Ns at left and right of centre 0 to WP. 100 Ns. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of next and every foll 4th row until there are 132 sts, then on every foll 5th row until there are 164 sts. K 3 rows. RC shows 144. Mark centre with WY. Cast off.

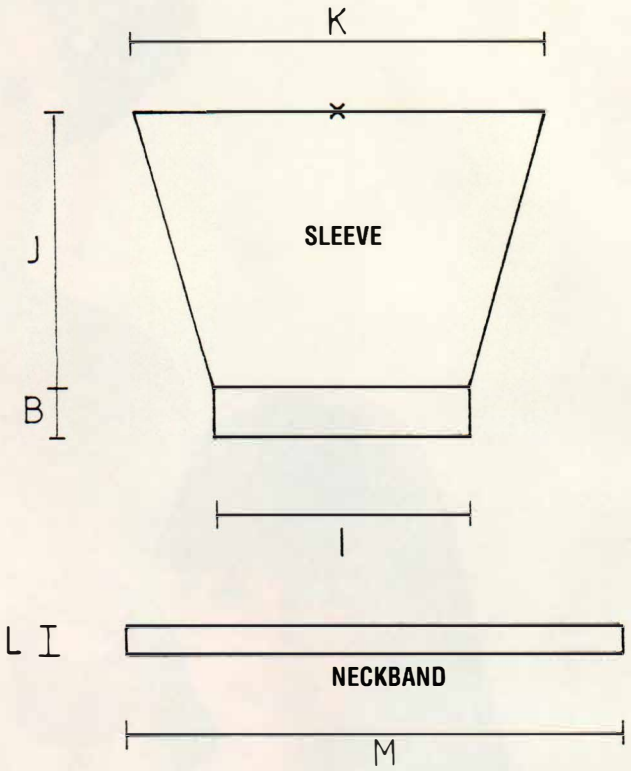
POCKET TOPS
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 34 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 15 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.



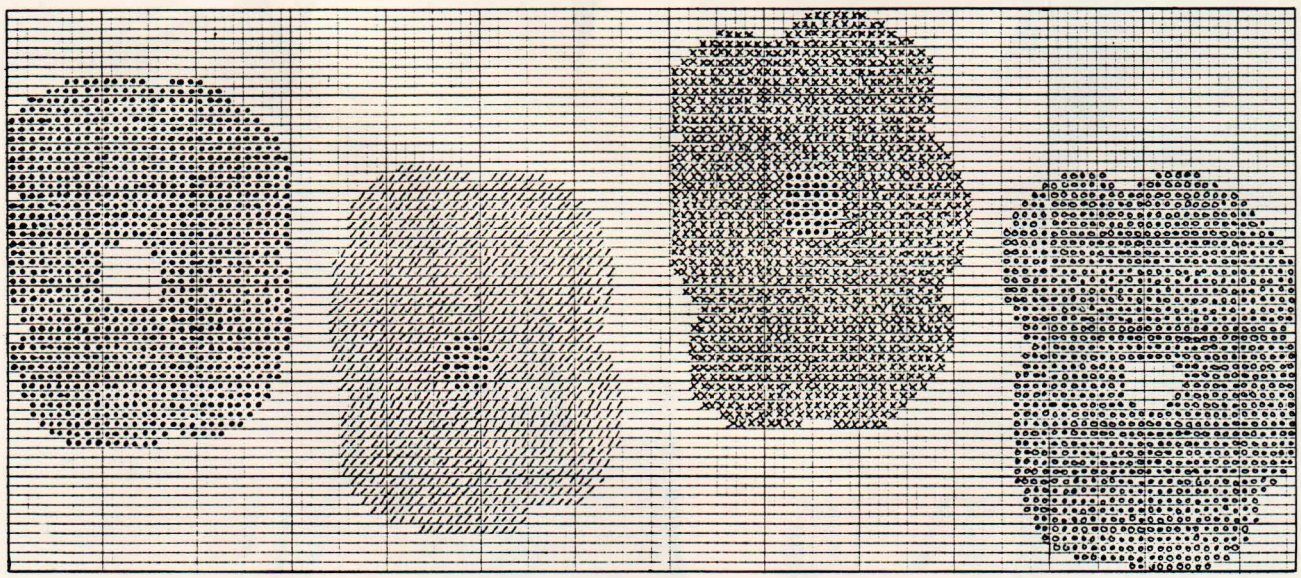
NECKBAND
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 196 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 14 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Join shoulder seams. Set in sleeves matching centre to shoulder seams. Join side, sleeve and neckband seams. Catch down pocket linings on the inside. Pin pocket tops and neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Catch down ends of pocket tops neatly to right side. Using E, Swiss darn flower stems as shown in photograph.



INTARSIA CHART



KEY
○ = A
× = B
/ = C
● = D

CHILD'S FLOWER SWEATER

A smaller version of the adult's sweater scales down the 'flower power' to a single pocketful.

For standard gauge machines with a ribber and intarsia carriage.

SIZES:
To fit 56 (61, 66) cm, 20 (22, 24) inch chest.

APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman Cannele.
MC (White) – 1 (1, 2) × 250 grm cone.
A (Pink) – 1 × 250 grm cone.
B (Lilac) – 1 × 250 grm cone.
C (Jade) – 1 × 250 grm cone.
D (Yellow) – 1 × 250 grm cone.

TENSION:
Stocking Stitch -- 30 sts and 40 rows to 10 cm. TD at approx 7 (MT).

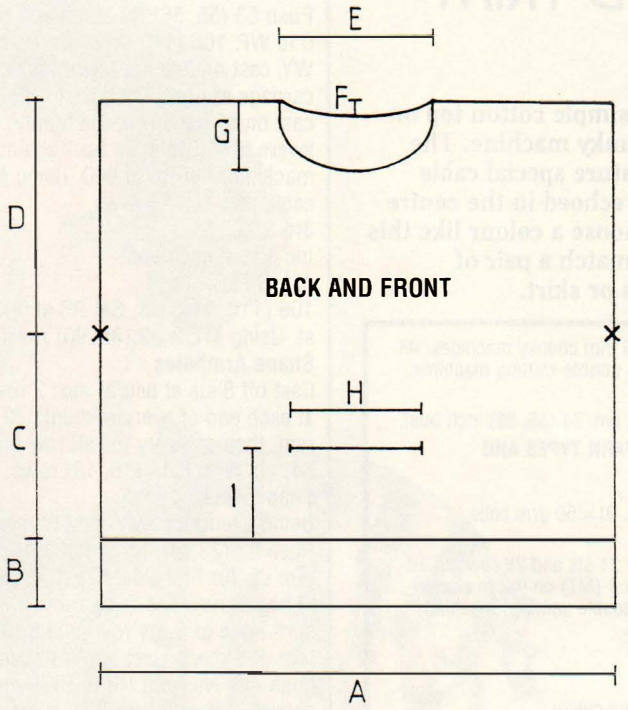
ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Intarsia – see chart.

If you have any problems locating Yeoman Cannele, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

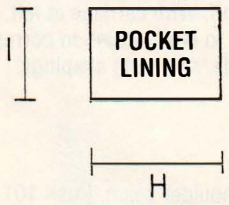
Yeoman Yarns Ltd
36 Churchill Way
Fleckney
Leicestershire LE8 0UD

A = 40 (42.5, 45) cm
B = 5 cm
C = 16 (19, 22) cm
D = 18 (19, 20) cm
E = 12 (12.5, 13) cm
F = 1 cm
G = 5.5 cm
H = 10 cm
I = 7 cm
J = 21 (22, 23) cm
K = 20 (24, 28) cm
L = 36 (38, 40) cm
M = 2.5 cm
N = 41 (42.5, 44) cm
O = 2 cm



BACK
With ribber in position and carriage at left, set machine for 1×1 rib. Push 60 (64, 68) Ns at left and right of centre 0 to WP. 120 (128, 136) Ns. * Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 25 rows. Transfer sts for st st *. Set RC at 000 **. Using MT, K 64 (76, 88) rows. Place marker at each end. K 68 (72, 76) rows. RC shows 132 (148, 164).

Shape Neck
Using a length of MC, cast off centre 34 (36, 38) sts. Push 43 (46, 49) Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at beg of next row. 42 (45, 48) sts. K 2 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.



POCKET LINING
Using MC, cast on 30 sts by hand. Set RC at 000. Using MT, K 28 rows. Using WY, K a few rows and release from machine.

FRONT
Work as for back to **. Using MT, K 28 rows.

Pocket Opening
Using a length of MC, cast off centre 30 sts. With P side facing, replace pocket lining on to empty Ns. Unravel WY. K 24 (30, 36) rows. RC shows 52 (58, 64). Cont in intarsia patt over 37 Ns at left and 34 Ns at right of centre 0. K 12 (18, 24) rows. RC shows 64 (76, 88). Place marker at each end. K 28 (22, 16) rows. Cont in st st and MC. K 22 (32, 42) rows. RC shows 114 (130, 146).

Shape Neck
Using a length of MC, cast off centre 18 (20, 22) sts. Push 51 (54, 57) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next row, K 1 row. Dec 1 st at beg of next and every foll alt row until 42 (45, 48) sts rem. K 10 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES
With ribber in position and carriage at left, set machine for 1×1 rib. Push 32 (33, 35) Ns at left and right of centre 0 to WP. 64 (66, 70) Ns. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of next and every foll 3rd (4th, 4th) row until there are 80 (112, 94) sts, then on every foll 4th (5th, 5th) row until there are

58 ▶

CABLED TRIM TOP

Knit this simple cotton top on your chunky machine. The welts feature special cable detail which is echoed in the centre front panel. Choose a colour like this bright pink to match a pair of summer shorts or skirt.

First 2 sizes for 9 mm chunky machines. All sizes for 6.5 mm double knitting machines.

SIZES:
To fit 87 (92, 97) cm, 34 (36, 38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Tivoli Luxor.
MY (Pink) – 8 (9, 9) × 50 grm balls.

TENSION:
Stocking Stitch – 21 sts and 26 rows to 10 cm. TD at approx 4 (MT) on 9 mm chunky (7· (MT) on 6.5 double knitting) machines.

ABBREVIATIONS:
See Page 38.

PATTERN NOTE:
Stocking stitch and cables.

If you have any problems locating Tivoli Luxor, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

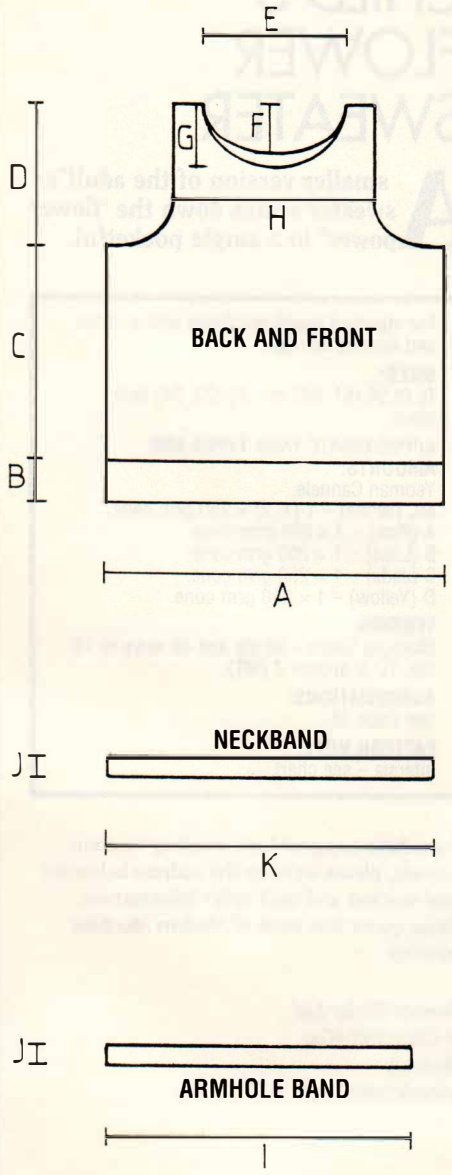
Tivoli Spinners Ltd
Unit 3
New Street Industrial Estate
Bridgetown
Cannock
Staffs WS11 3DD

A = 50 (52, 54) cm
B = 6 cm
C = 31.5 (33, 34.5) cm
D = 20.5 (22, 23.5) cm
E = 21 cm
F = 7 cm
G = 9 cm
H = 28.5 (29.5, 30) cm
I = 45 (47, 49) cm
J = 2 cm
K = 48 cm

BACK
Push 53 (55, 56) Ns at left and right of centre 0 to WP. 106 (110, 112) Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MY, cast on by hand (not too tightly). Set Russel levers to II. (Hold sts back against front of the machine.) Set RC at 000. Using MT–1, cont in cable patt 1. K 20 rows.
3rd SIZE
Inc 1 st at each end.
ALL SIZES
106 (110, 114) sts. Set RC at 000. Cont in st st. Using MT, K 82 (86, 90) rows.
Shape Armholes
Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of every row until 70 (74, 78) sts rem, then on every foll alt row until 60 (62, 64) sts rem. K 14 (16, 18) rows.
Shape Neck
Using a length of MY, cast off centre 16 sts. Push 22 (23, 24) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row. Dec 1 st at neck edge of every row until 8 (9, 10) sts rem. K 8 rows. Cast off. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

FRONT
Push 53 (54, 56) Ns at left and right of centre 0 to WP. 106 (108, 112) Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MY, cast on by hand (not too tightly). Set Russel levers to II. (Hold sts back against front of the machine.) Set RC at 000. Using MT–1, cont in cable patt 2. K 20 rows.
2nd AND 3rd SIZES.
Inc 1 st at each end.
ALL SIZES
106 (110, 114) sts. Set RC at 000. Using MT, cont in cable patt over centre 8 sts. K 82 (86, 90) rows.
Shape Armholes
Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of every row until 70 (74, 78) sts rem, then on every foll alt row until 60 (62, 64) sts rem. K 8 (10, 12) rows.
Shape Neck
Using a length of MY, cast off centre 16 sts. Push 22 (23, 24) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next row. Dec 1 st at neck edge of every row until 14 (15, 16) sts rem, then on every foll alt row until 8 (9, 10) sts rem. K 6 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

NECKBAND
Join right shoulder seam. Push 101 Ns to WP. * Using MT and WY, cast on and K a few rows ending with carriage at right. Push Ns to HP. Using MY, cast on by hand (not too tightly). Set Russel levers to II. (Hold sts back against front of the machine.) Set RC at 000.



Using MT–1, K 6 rows. Drop every alt st and pick up as for ribbing *. With P side facing, pick up sts around neck edge and place on to Ns. K 1 row loosely by hand. Cast off.

ARMHOLE BANDS
Join left shoulder and neckband seam. Push 95 (99, 103) Ns to WP. Work as for neckband from * to *. With P side facing, pick up sts around armhole edge and place on to Ns. K 1 row loosely by hand. Cast off.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on ball band.

MAKING UP
Join side seams.

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MAN'S CABLED SWEATER

Knit this classic man's cable sweater, add a stripe to the bottom of the welts and a two-colour neckband, for a smart fashion garment.

For standard gauge punchcard or electronic machines with a ribber.

SIZES:
To fit 97-102 (102-107) cm, 38-40 (40-42) inch chest.

APPROXIMATE YARN TYPES AND AMOUNTS:
Bramwell Cotton Savannah.
MC (White) – 550 (550) grms.
C (Navy) – 50 (50) grms.

TENSION:
Stocking Stitch – 28 sts and 40 rows to 10 cm. TD at approx 8 (MT).

ABBREVIATIONS:
See Page 38.

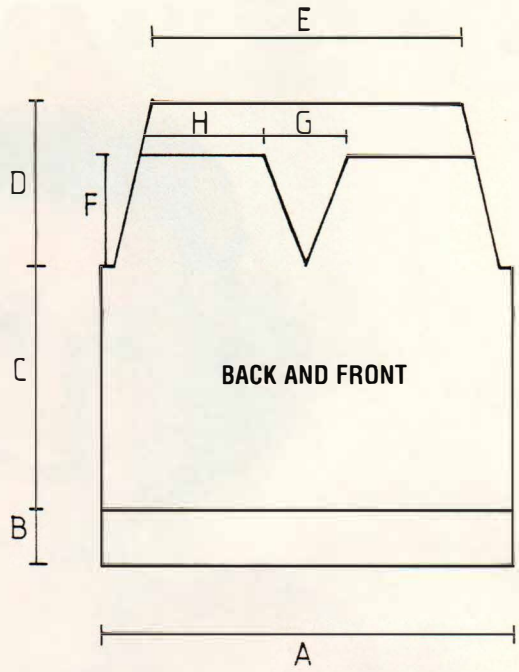
PATTERN NOTE:
Fair Isle – see chart.

NEEDLE DIAGRAM FOR CABLES:
See Page 59.
Cable Pattern
Cable panels are worked over set of 6 sts between ribbed sts. K 10 rows. Cross 3 sts at right behind 3 sts at left.
Fair Isle Pattern
K 2 rows C only (st st), 6 rows C/MC and 2 rows C only (st st).

If you have any problems locating Bramwell's Cotton Savannah, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting.*

F. W. Bramwell & Co Ltd
Unit 5
Metcalf Drive
Altham Lane
Accrington BB5 5TU

A = 64 (69) cm
B = 8 cm
C = 38 cm
D = 25 cm
E = 48 (52) cm
F = 18 cm
G = 13 cm
H = 19.5 (21.5) cm
I = 30 cm
J = 45 cm
K = 8 (8.5) cm
L = 16 (18) cm
M = 11.5 cm
N = 3 cm
O = 2 cm
P = 17 (19) cm
Q = 6 (6.5) cm
R = 27 cm
S = 20 cm
T = 58.5 cm
U = 71 cm
V = 5 cm



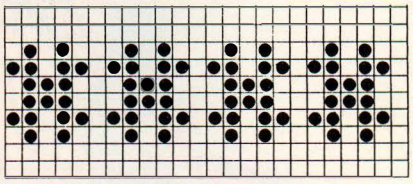
BACK
With ribber in position and carriage at left, set machine for 2×2 rib (2×1 N arrangement). Push 90 (97) Ns at left and 89 (97) Ns at right of centre 0 to WP. 179 (194) Ns. * Push corresponding Ns on ribber to WP. Arrange Ns for 2×2 rib (2×1 N arrangement). Using C, cast on and K 3 circular rows. Carriage is at left. Set machine for 2×2 rib knitting. Set RC at 000. Using MT–5/MT–5, K 10 rows. Using MC, K 31 rows. Transfer sts for st st *.
1st SIZE
Inc 1 st at right edge.
BOTH SIZES
180 (194) sts **. Set RC at 000. Using MT, K 152 rows.
Shape Armholes
Cast off 6 sts at beg of next 2 rows. Dec 1 st at each end of every 6th (5th) row until 140 (162) sts rem, then on every foll 7th (6th) row until 136 (146) sts rem. Cast off.

FRONT
Work as for back to **. Transfer sts as shown on needle diagram. Set RC at 000. Using MT, cont in cable patt. K 152 rows.
Shape Neck and Armholes
Push 90 (97) Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of next and every foll 4th row and, AT THE SAME TIME, cast off 6 sts at beg of next row, K 1 row. Dec 1 st at armhole edge of every 7th (6th) row until 80 (85) sts rem, then on every foll 6th (5th) row until 55 (60) sts rem. K 3 rows. Cast off. With carriage at left, push rem Ns from HP to WP. Finish to correspond with first side, reversing shapings.

LEFT SLEEVE
With ribber in position and carriage at left, set machine for 2×2 rib (2×1 N arrangement). Push 42 Ns at left and 41 Ns at right of centre 0 to WP. 83 Ns. Work as for back from * to *. Inc 1 st at right edge. 84 sts. Set RC at 000. Using MT, shape sides by inc 1 st at each end of next and every foll 4th row until there are 122 sts, then on every foll 5th row until there are 164 sts. K 2 rows. RC shows 180. K 1 row extra for right sleeve **.
***Shape Top**
Cast off 6 sts at beg of next 2 rows, 4 sts at beg of next 10 (20) rows and 5 sts at beg of next 12 (4) rows. K 1 row. Cast off 5 sts at beg of next and foll 3 alt rows. 32 sts. K 52 (60) rows. Push 12 Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll 3 alt rows. Cast off rem 4 sts. Push rem 12 Ns from HP to UWP. K 1 row. Dec 1 st at right edge of every row until 1 st rem. Fasten off ***.

RIGHT SLEEVE
Work as for left sleeve to ** noting alteration in number of rows worked, then from *** to *** reversing shapings by reading left for right and right for left.

NECKBAND
Push 100 Ns at left and right of centre 0 to WP. 200 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Insert card and lock on first row. Push Ns to HP. Using MC, cast on by hand. Push Ns to UWP. Set RC at 000. Using MT–1, K 1 row. Dec 1 st at each end of next and every foll alt row until 188 sts rem. K 1 row. Using MT+1,



PUNCHCARD CHART

Shirt — **ST JACQUES** Trousers — **RED GREEN**

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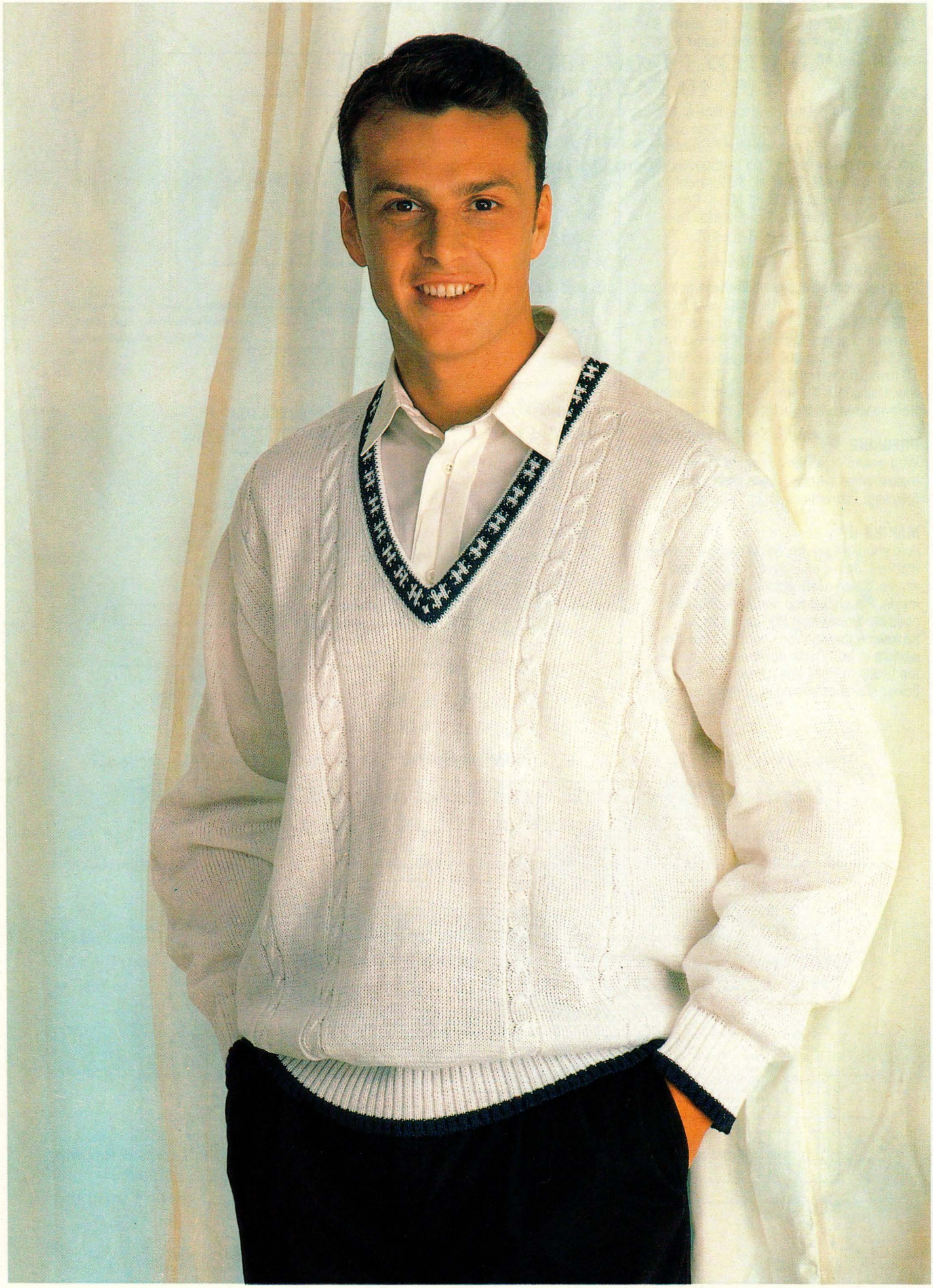


Pattern 8

◀ 53

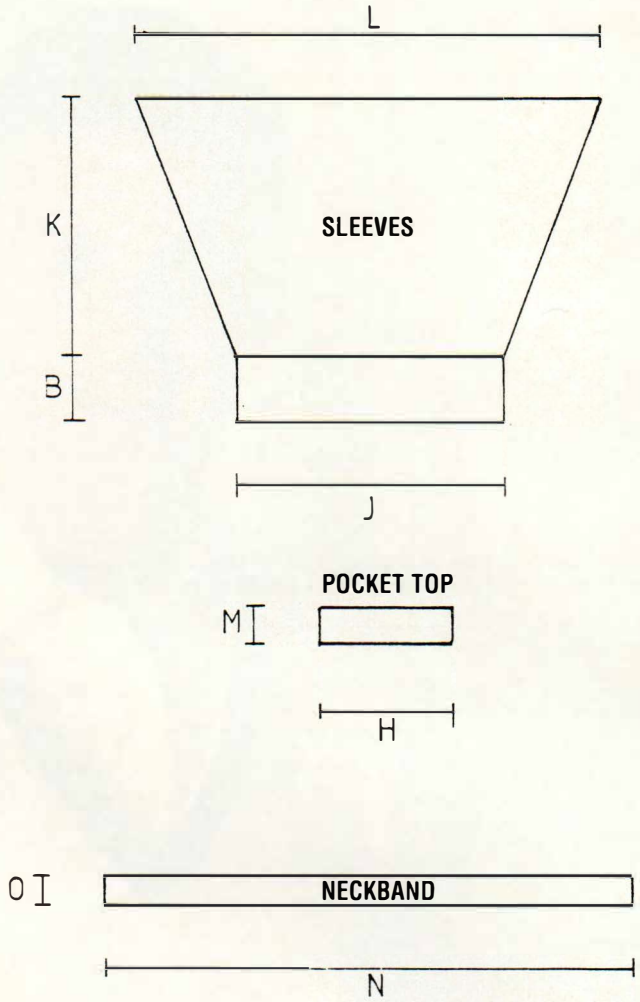
108 (114, 120) sts. K 2 rows. RC shows 80 (96, 112). Adjust length at this stage, if desired. Cast off.

POCKET TOP
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 30 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 12 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

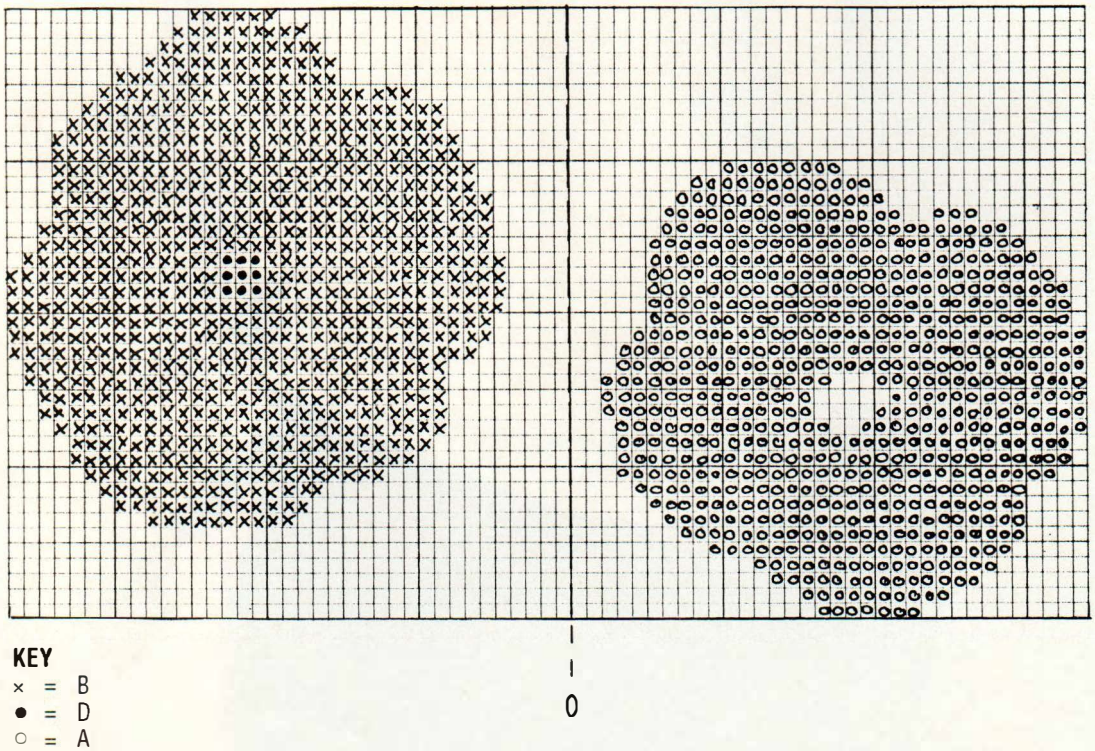
NECKBAND
With ribber in position and carriage at left, set machine for 1×1 rib. Using MC, cast on 124 (128, 132) sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 10 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Join shoulder seams. Set in sleeves between markers. Join side, sleeve and neckband seams. Catch down pocket lining on the inside. Pin pocket top and neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Catch down ends of pocket top neatly to right side. Using C, Swiss darn flower stems as shown in photograph.



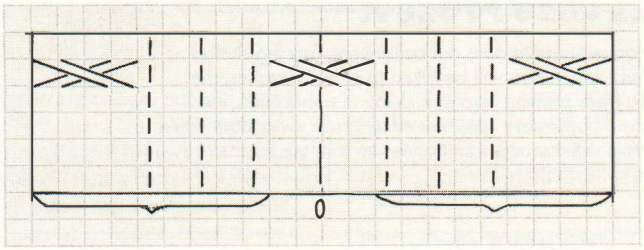
INTARSIA CHART



KEY
× = B
● = D
○ = A

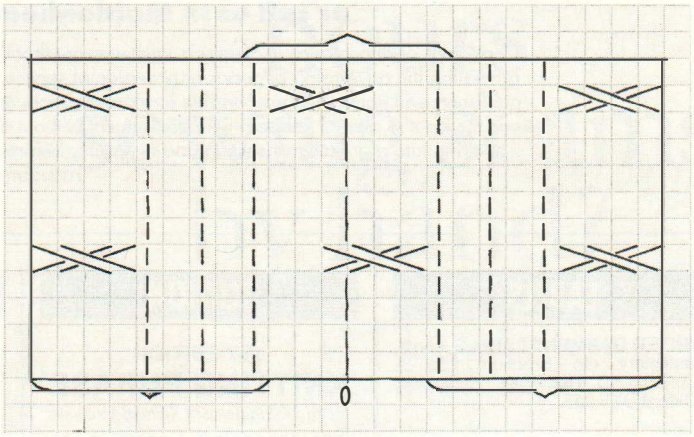
Pattern 9

◀ 54



Rep **CHART 1** Rep

Centre patt



Rep **CHART 2** Rep

= Cross 2 sts at right in front of 2 sts at left.

= Cross 2 sts at left in front of 2 sts at right.

= Drop st and reform as for ribbing (do not drop edge sts). These sts may be dropped from Ns before forming cables, to make the cabling easier; leave empty Ns in WP.

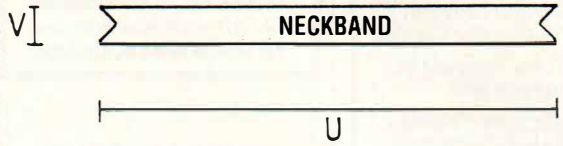
Pattern 10

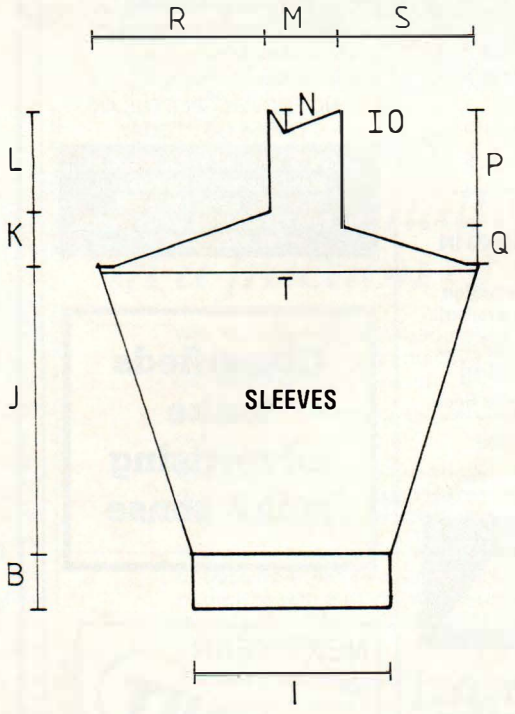
◀ 56

K 1 row. Release card and cont in Fair Isle patt. Using MT, inc 1 st at each end of next and every foll alt row until there are 198 sts, K 1 row. Cont in st st and MC, inc 1 st at each end of next row, K 1 row. Using WY, K a few rows and release from machine.

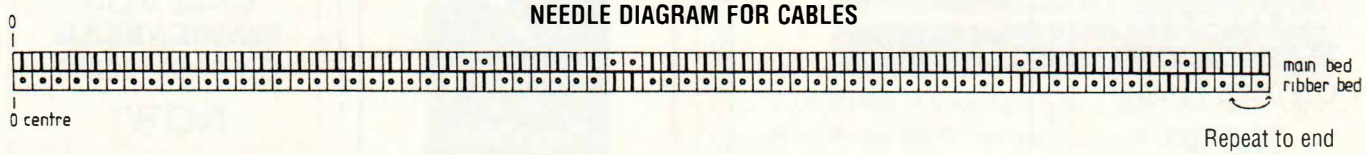
PRESSING
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP
Set in sleeves and sew sleeve extensions to shoulders stretching to fit. Join side and sleeve seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Join mitred centre front seam. Fold in half and catch down on inside.





NEEDLE DIAGRAM FOR CABLES



Repeat to end

Transfer sts at left in reverse

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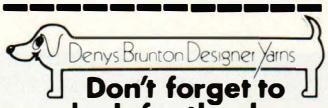

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KNITMASTER SRP50 ribber, £100; Knitmaster lace carriage, £100; Knitmaster YC6 colour changer, £100 (new); Knitmaster weaving arm, £35 (new); Knitmaster 2 way tension mast, £10; 8 way tension mast, £25 (new); table, £10. Tel: (0274) 564999 (Bingley).

SINGER MACHINE, old, good condition, with ribber, tools and case, instruction book. Also Swiftomatic and ribber instruction book and tools, offers. Tel: 041 644 5419 (Nr Glasgow).

BROTHER KH840 and KR850, hardly used, table, punch and cards, winder, manuals, yarns, £400 ono. Tel: (0672) 512573 (Marlborough).

ZIPPY 90, used twice, £70 ono. Swiss knitter brand new, £55 ono. Tel: (0308) 862451 (Beaminster).

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BROTHER 910 Mk II, excellent condition, extra patterns, mylar sheets, Diane Bennett tapes and books. £325. Also wanted KR710 ribber, reasonable price for pensioner. Tel: (0752) 347968 (Plymouth).

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PFAFF duomatic 80 colour changer, form computer, deco, wool winder, as new, under guarantee, delivery considered, £650 ono. Tel: 081 845 8306 (Hayes, Middx).

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TOYOTA KS901 ribber, KR506 tilt table, intarsia carriage, lace carriage, punch, punchcards, knit tracer, pattern book, tuition book, manuals, £400 ono. Tel: (0252) 875467 (Nr Camberley).

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PASSAP Duo 80 four colour changer, punchcards, patterns, tools, 12 months old, used twice, £800 ono. Tel: (0252) 617657 (Fleet).

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BROTHER 881 with built-in knitleader, lace carriage, good condition, £200. Also intarsia carriage, KH8210, £20. Tel: 081 898 5887 (Twickenham).

BROTHER 840 and table, vgc, £175. little used due to disability. Tel: 061 980 4160 (Sth Manchester).

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KNITTING in elastic—Approx: 120 grm each cone—Red, Royal, Black, White, Pink, Beige, £1.50 each plus postage—surplus to requirements now. Tel: (0635) 863513 (Thatcham).

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SINGER Memo II double bed with computerised selection box, audio tapes, manuals. Careful owner, selling due to lack of space, £300 o.v.n.o. Tel: 081 311 3719 (London).

BROTHER 260 chunky machine plus ribber. Used once, £420. Incudes table. Tel: 081 950 9631 (Bushy, Herts).

TOYOTA 901 with ribber, tilt table. Knits Fair Isle etc. Knit tracer, lace intarsia, plating linker, pile knitter, transfer carriages with manuals. No offers, £275. Tel: (0202) 393619 (Bournemouth).

SILVER SK840 with EC1 pattern controller, cost over £800, accept £700 (four months old). Tel: 051 722 6150 (Liverpool).

BROTHER Chunky 230 plus ribber. Used twice, perfect. Buyer must collect. £300. Tel: Hertford 0992 587460 after 6 pm please.

BROTHER KH890, 24 punchcard, lace carriage, punch, table, ribber. £400 o.n.o. Knitleader, £50 o.n.o. Tel: (0202) 484861 (Christchurch).

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This very popular feature in our magazine attracts hundreds of applications – so please consider your fellow readers and send us only one advertisement per person each month. Please note that we shall only include advertisements sent in on our original order form cut from the magazine. This month the form is on page 61.

FOR SALE

BROTHER KH836, hardly used, lace carriage, manual pattern books and punch cards, £230 o.n.o. Tel: (0525) 210402 (Bedfordshire).

COLOUR CHANGER, Toyota, unused (super). Toyota lace carriage. Tel: (0892) 730254 (Tonbridge).

KNITMASTER SRP50 ribber in V.G.C., £100; Singer KR13 ribber in excellent condition, £100, will post anywhere. Toyota 777 punchcard machine for spares. Needles 10p each. Tel: (0900) 604759 (Cranbrook, Kent).

MARY WEAVER books parts one and two. Machine knitting ribbing attachment, full working instructions with garment patterns. Good condition, £12, including Jaquard instructions attachment. Tel: (0202) 393619 (Bournemouth).

BROTHER Chunky 260, punchcard, ribber, intarsia carriage, punch, £500; Passap form computer, £70; Brother linker, £58; Brother single bed colour changer KHC820A. £60. Tel: 061 428 1330 (Stockport).

KNITMASTER Zippy Deluxe punchcard machine plus ribber, lace carriage, £375. Will exchange for Brother Chunky punchcard with ribber. Tel: (0635) 861487 (Nr. Newbury).

KEYTO knitting machine cabinet and bench. Teak cabinet, £75, Bench, £25. Tel: 061 775 4159 (Manchester).

SWAP

BROTHER Convertible with Knitleader or Calcuknit for Knitmaster 360, built-in radar and lace carriage. Other swap suggestions welcome. Tel: (0703) 740157 (Southampton).

950 TOYOTA knitting machine for a Chunky Punchcard. Tel: 081 517 9177 (Essex).

KNITMASTER 700 standard gauge punchcard machine with built-in Knitradar. Good condition, £200, or swap for Knitmaster chunky (or perhaps Knitmaster 2502). Tel: (0752) 845201 (Saltash).

BROTHER single colour changer KHC 820A or sell £45. Wanted Brother double bed colour changer KRC 900. Bought wrong one. Tel: (0202) 393619 (Bournemouth).

PASSAP duomatic 80, 4 colour changer, deco, £275, or will exchange for Knitmaster with ribber. Cash adjustment if required. Tel: 021-789 6451 (Birmingham).

WANTED

PASSAP model books up to book 38. Duo form computer and instruction book. Reasonably priced please. Tel: (0469) 60668 (Grimsby).

SINGER 9000 complete, reasonable. Tel: (0635) 40414 (Newbury, Berks).

HAGUE electric linker and stand, good condition. Tel: (0964) 534243 (Hornsea, E Yorks).

MODERN Machine Knitting required for months: January, February, March and April, 1987. Tel: 041 639 5165 (Glasgow).

INSTRUCTION BOOK for Singer Magic Memory Knitting Machine. Tel: (0489) 781837 (Southampton).

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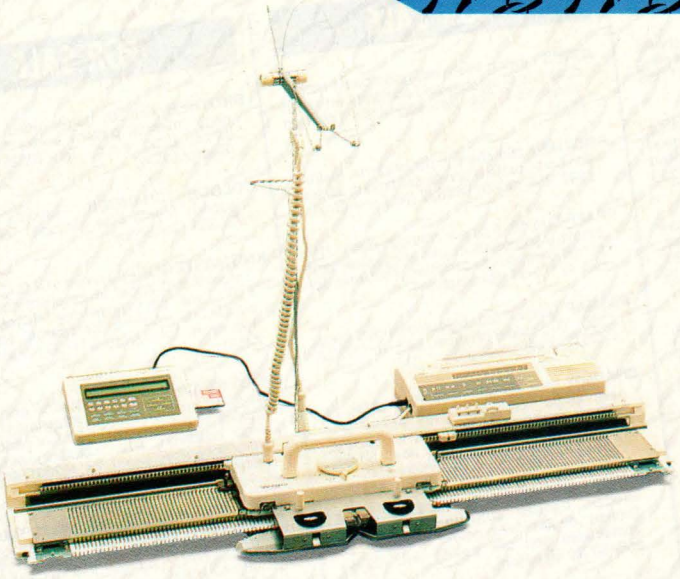
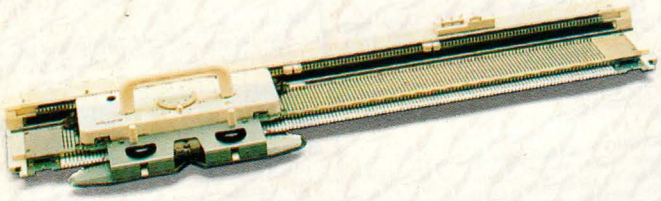
A PEARL OF A SYSTEM FROM SILVER

And our low prices add up to a golden opportunity to boost dramatically both the speed and variety of your knitting projects.

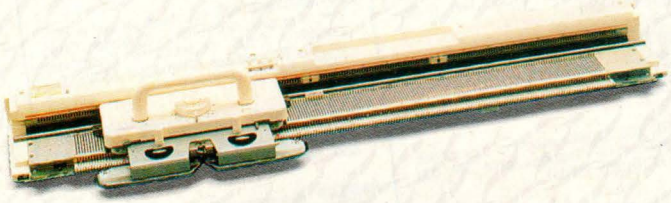
The Silver Modular Electronic Knitting System is based on four easy-to-change and whisper-quiet beds of the highest quality. So you'll be able to set just the right gauge and tension for any yarn - and each gives you a wide range of stitch options at the touch of a single lever. Attachments permit even greater stitch and pattern variety. And as the beds and attachments are each sold separately, you buy only as you need to.



SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



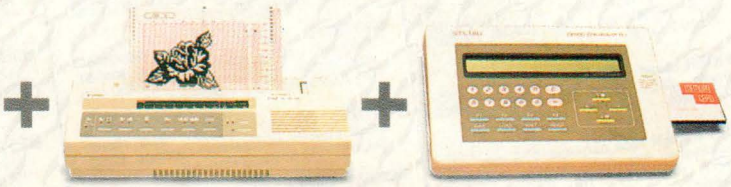
SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*



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